Water Quality Index Scores (1994-2013) from The WA State D

Station	Station Name	SSR
24B090	Willapa R nr Willapa	Coast
23A160	Chehalis R @ Dryad	Coast
23A070	Chehalis R @ Porter	Coast
24F070	Naselle R nr Naselle	Coast

Water Quality Index Scores (1994-2013) from The WA State D

1994	1995	1996	1997
	14	47	52
71	22	58	54
52	44	47	47
	4	60	74

Water Quality Index Scores (1994-2013) from The WA State D

1998	1999	2000	2001
29	33	51	56
46	56	66	66
45	51	50	53
46	58	67	69

Water Quality Index Scores (1994-2013) from The WA State D

2002	2003	2004	2005
32	55	49	73
36	59	61	70
49	52	37	47
51	64	65	78

Water Quality Index Scores (1994-2013) from The WA State D

2006	2007	2008	2009
72	72	67	66
68	74	51	65
58	61	59	57
76	77	84	84

Water Quality Index Scores (1994-2013) from The WA State D

2010	2011	2012	2013
52	48	67	80
69	52	72	65
45	41	54	62
58	63	74	79

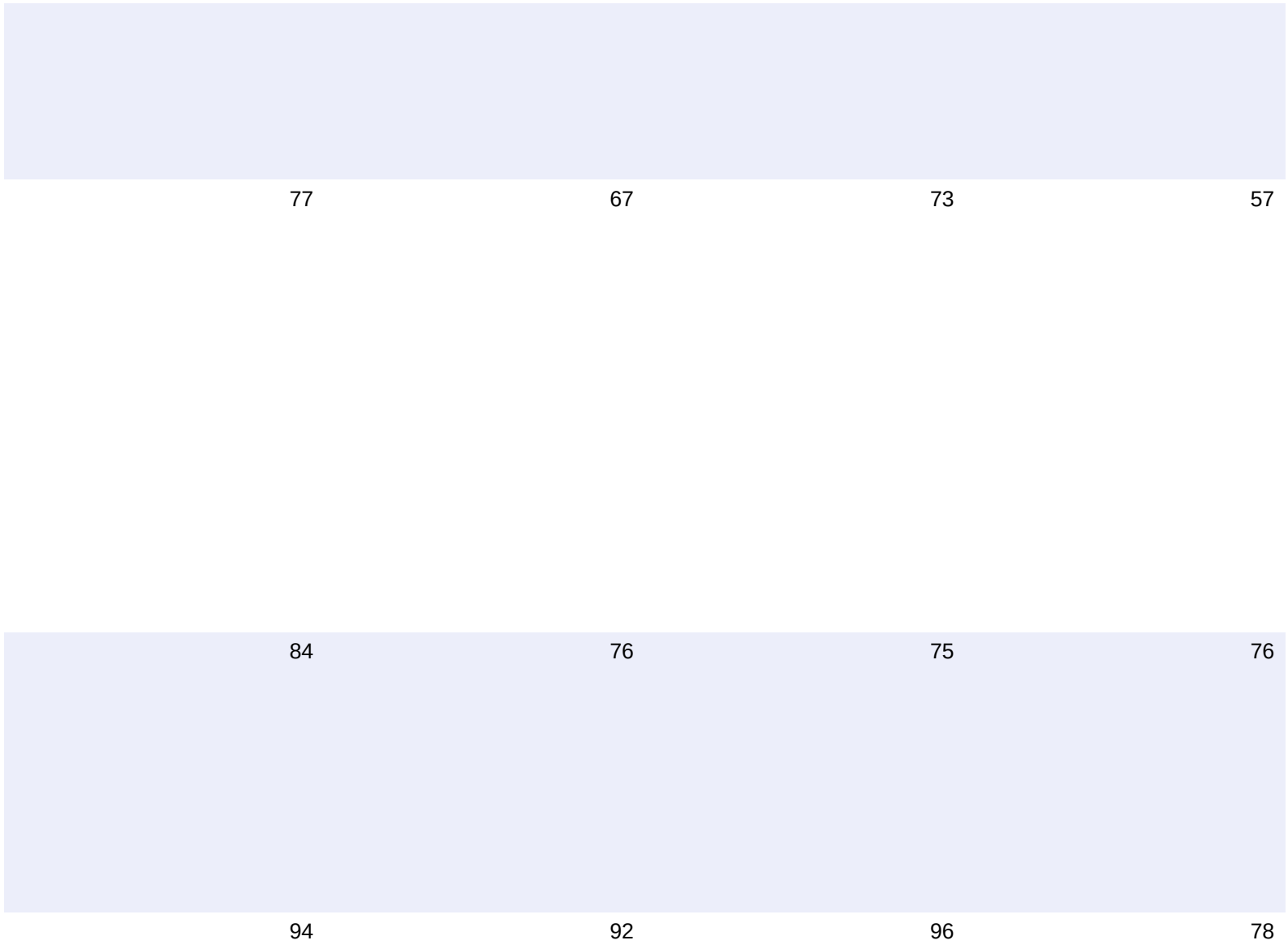
Water Quality Index Scores (1994-2013) from The WA State D

Ave	Comment	Location 1
53	Annual temperature, bacteria, sediment, and nutrient scores were consistenly below 80. Oxygen scores were occasionally below 80. Nitrogen scores were particularly low. Bacteria scores continued to show improvement over the last few years. Much of the Willapa has a management plan for temperature, dissolved oxygen, and bacteria.	(46.6501, -123.6535)
59	Annual WQI scores for most all parameters were below 80 most years. Much of the Chehalis has a management plan for temperature, dissolved oxygen, and bacteria.	(46.6309, -123.2501)
51	Annual temperature, sediment, and nutrient scores were consistenly below 80. Oxygen and bacteria scores were occasionally below 80. Bacteria and oxygen scores were above 80. Nitrogen scores were particularly low. Much of the Chehalis has a management plan for temperature, dissolved oxygen, and bacteria.	(46.9393, -123.3138)
65	Annual bacteria, temperature, nutrient,	(46.3729, -123.7468)

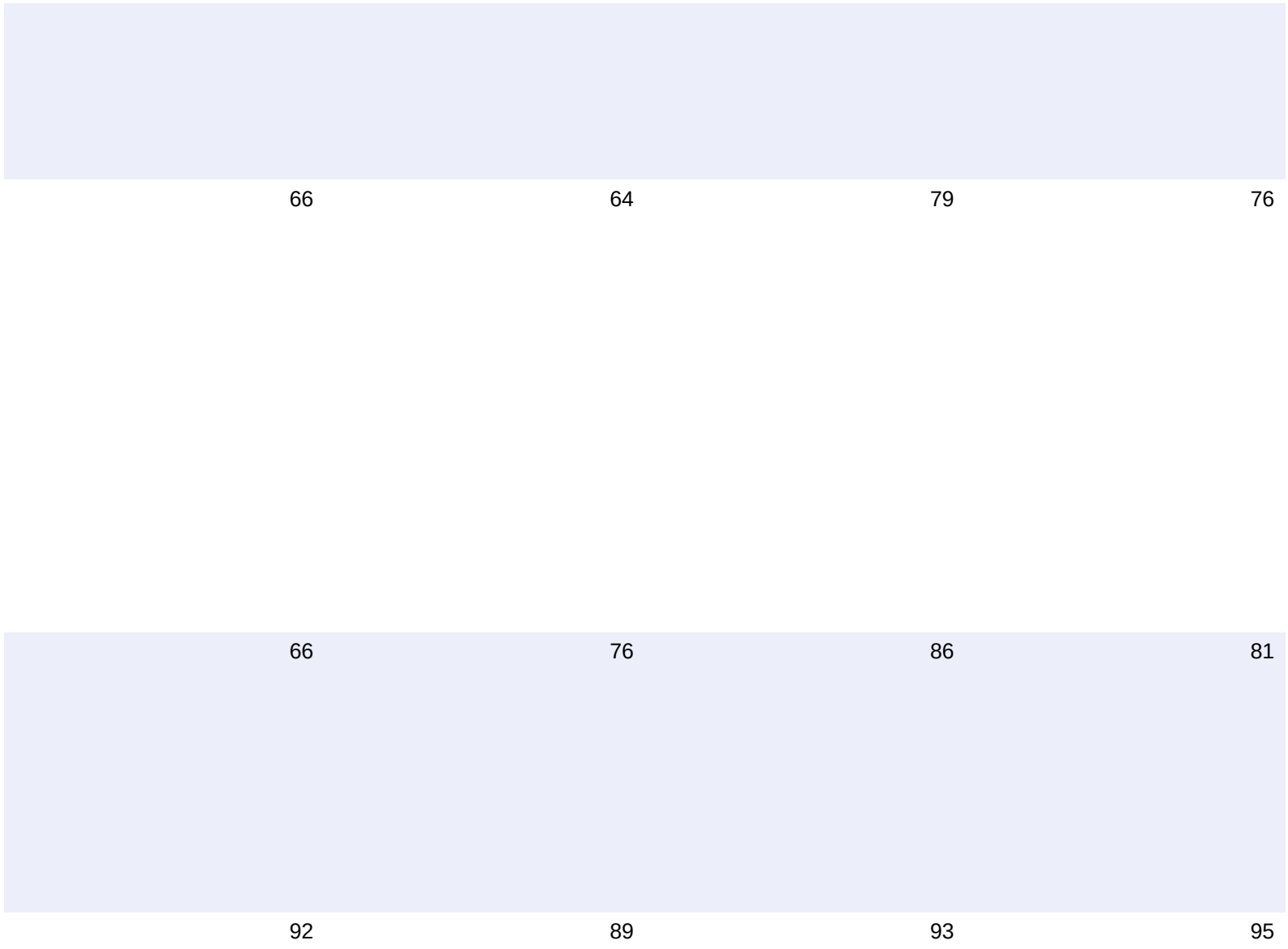
Water Quality Index Scores (1994-2013) from The WA State D

20B070	Hoh R @ DNR Campground	Coast
22A070	Humptulips R nr Humptulips	Coast
16C090	Duckabush R nr Brinnon	Hood Canal

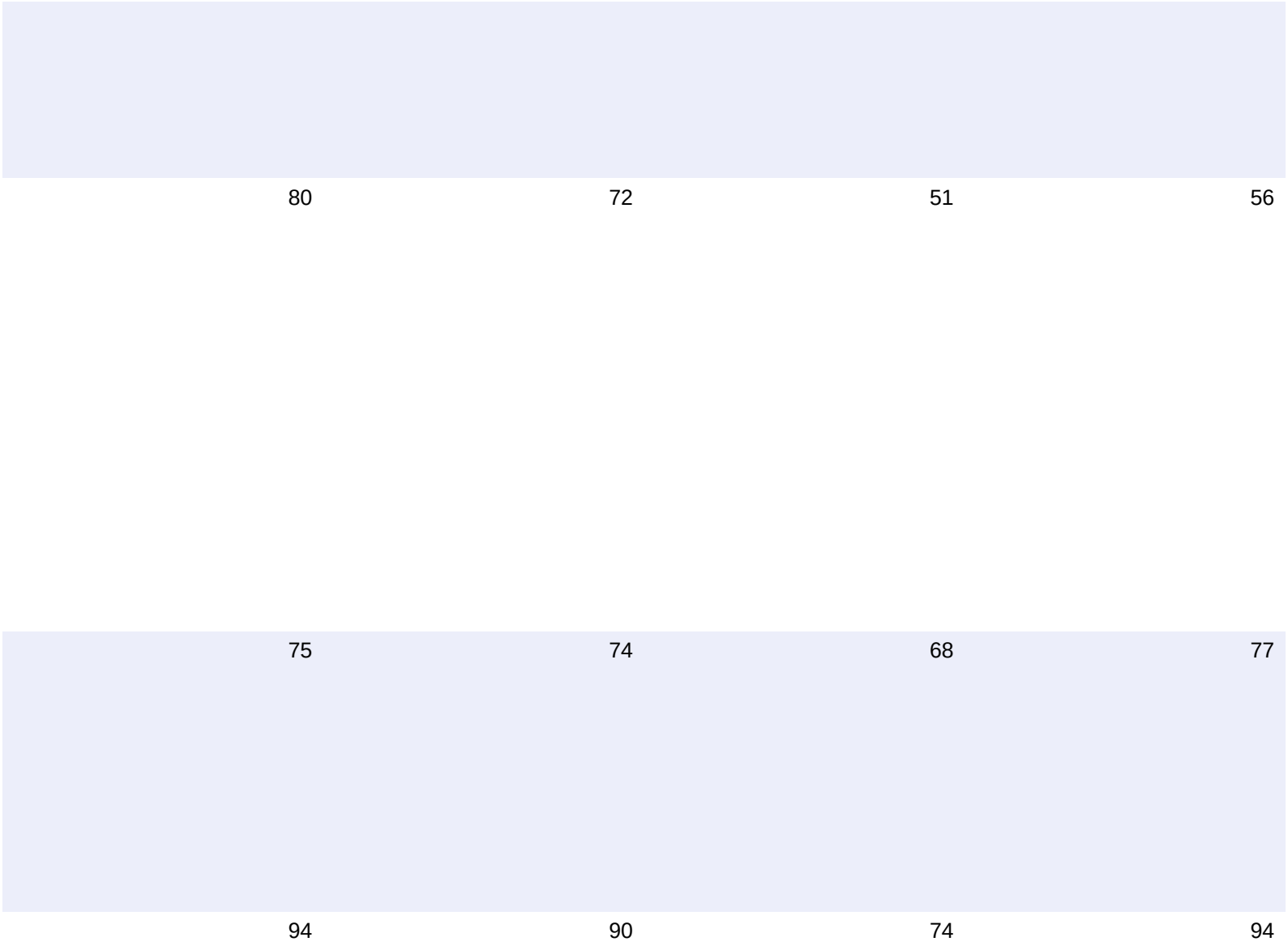
Water Quality Index Scores (1994-2013) from The WA State D



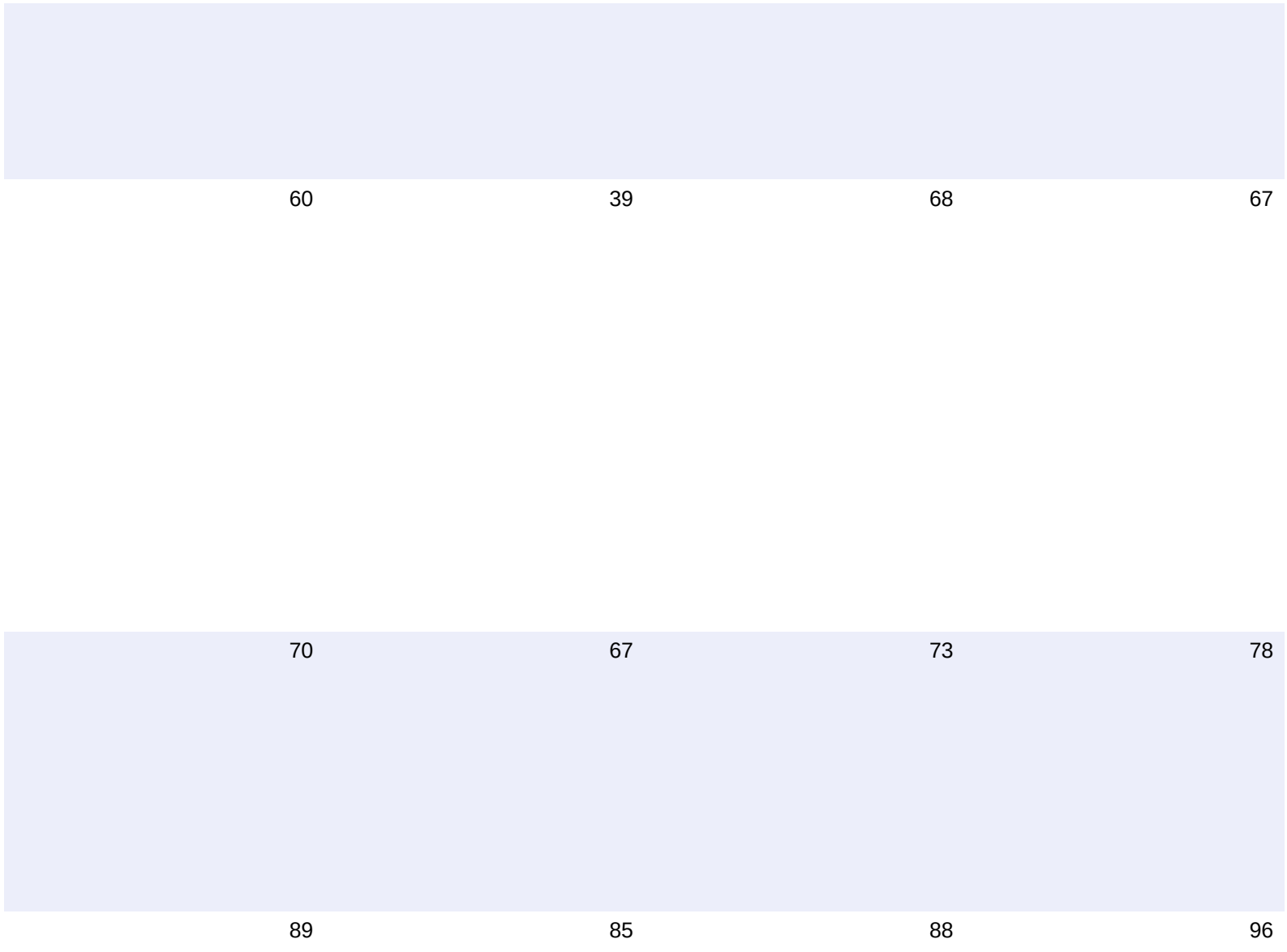
Water Quality Index Scores (1994-2013) from The WA State D



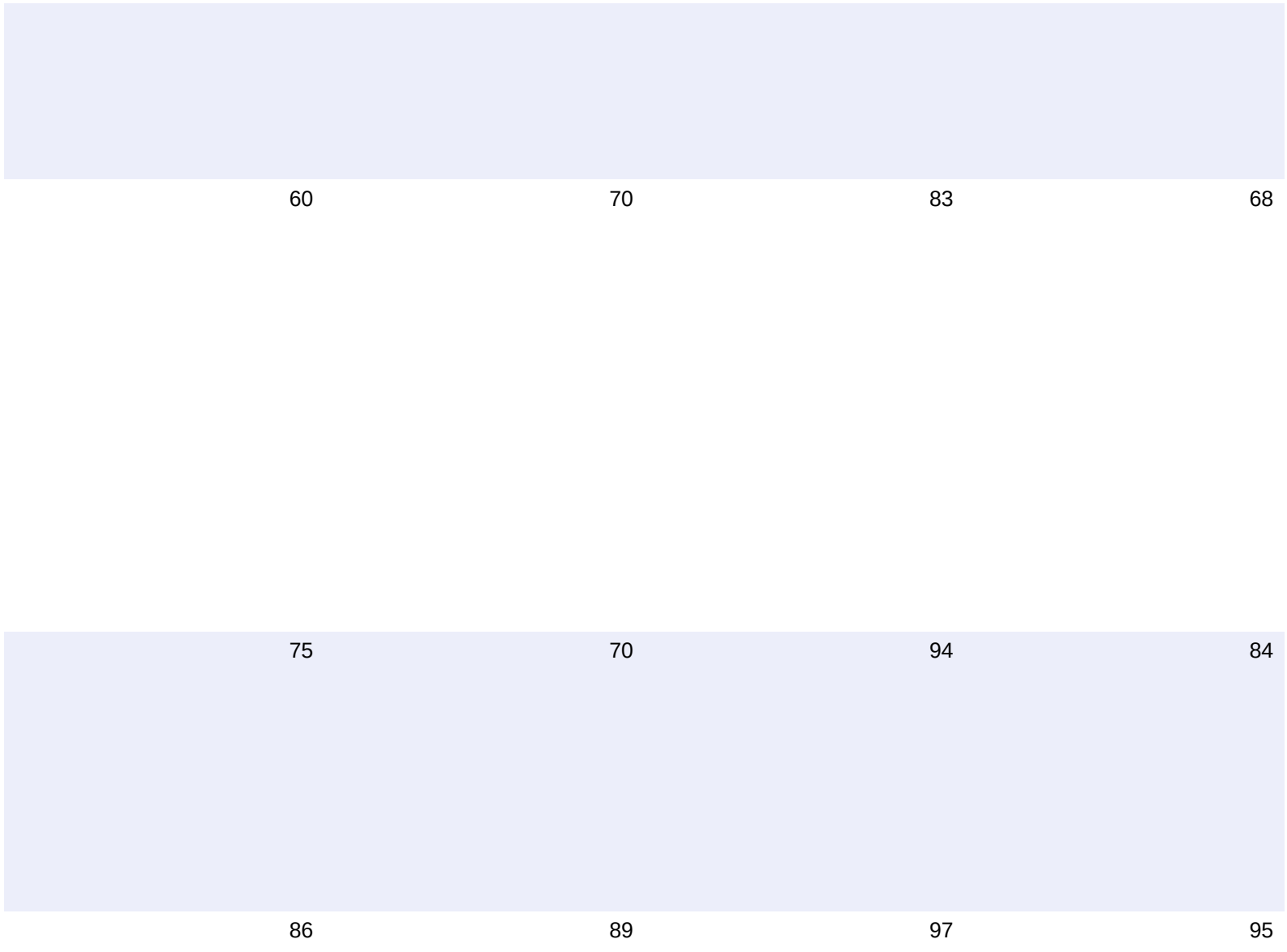
Water Quality Index Scores (1994-2013) from The WA State D



Water Quality Index Scores (1994-2013) from The WA State D



Water Quality Index Scores (1994-2013) from The WA State D

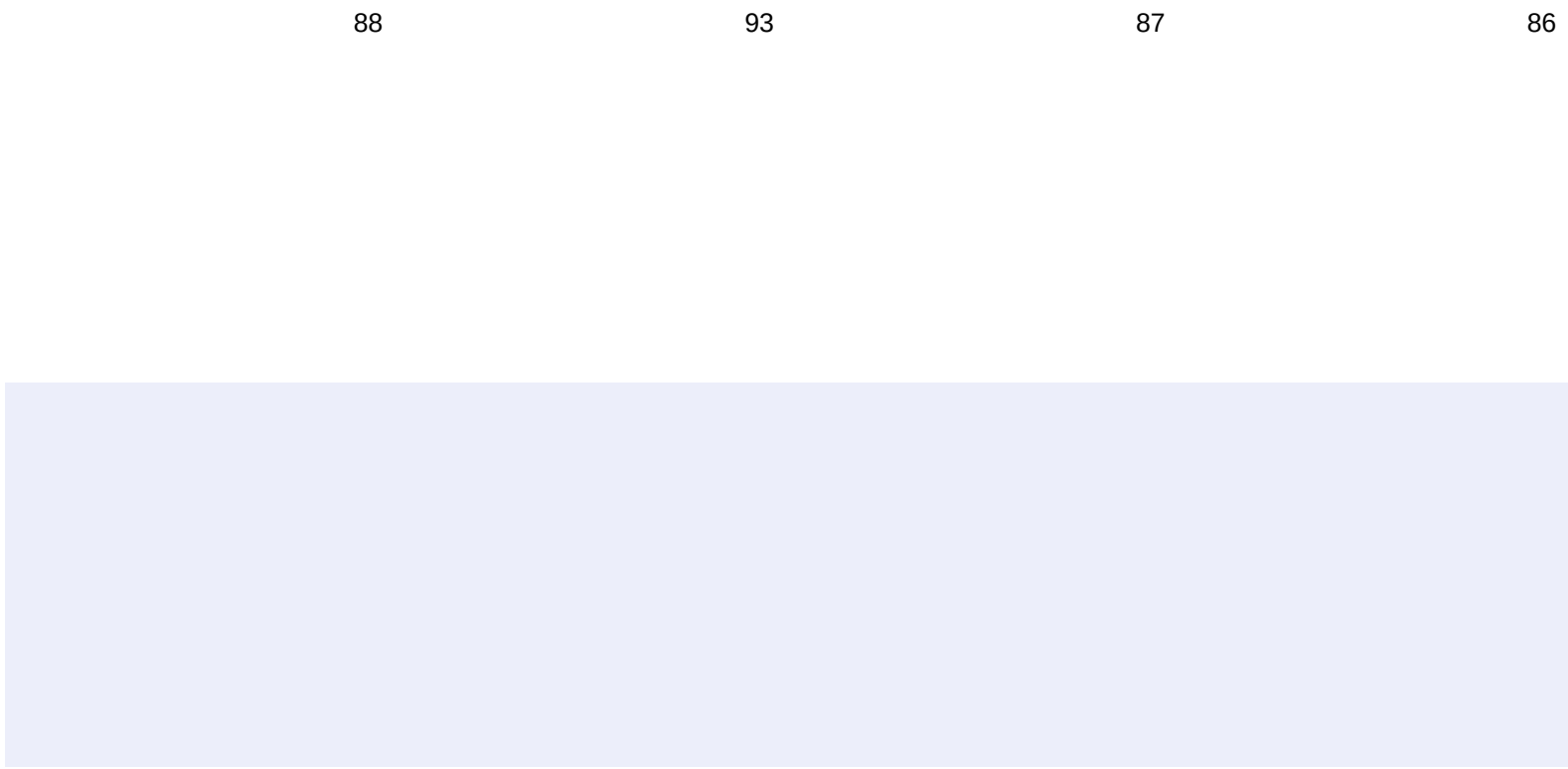


	and sediment scores were all below 80 most of the time. Oxygen and pH scores were occasionally below 80. The Naselle is currently listed for temperature.	
67	Annual sediment and phosphorus scores were usually below 80. Bacteria and temperature scores were occasionally below 80. Other scores were usually above 80. The watershed contains glaciers that contribute much of the sediment that is the primary contributor to overall WQI scores below 80. However, higher bacteria counts since the mid-2000s have also contributed to lower scores. The Hoh is currently on the 303(d) list for bacteria.	(47.8098, -124.2477)
76	Annual sediment and phosphorus scores were usually below 80. Temperature scores were below 80 about half the time. Average Bacteria, Oxygen, Nitrogen and pH scores were usually above 80. The Humptulips has an approved temperature management plan and is listed for oxygen and pH.	(47.2298, -123.9618)
90	Most annual parameter WQI scores	(47.684, -123.0116)

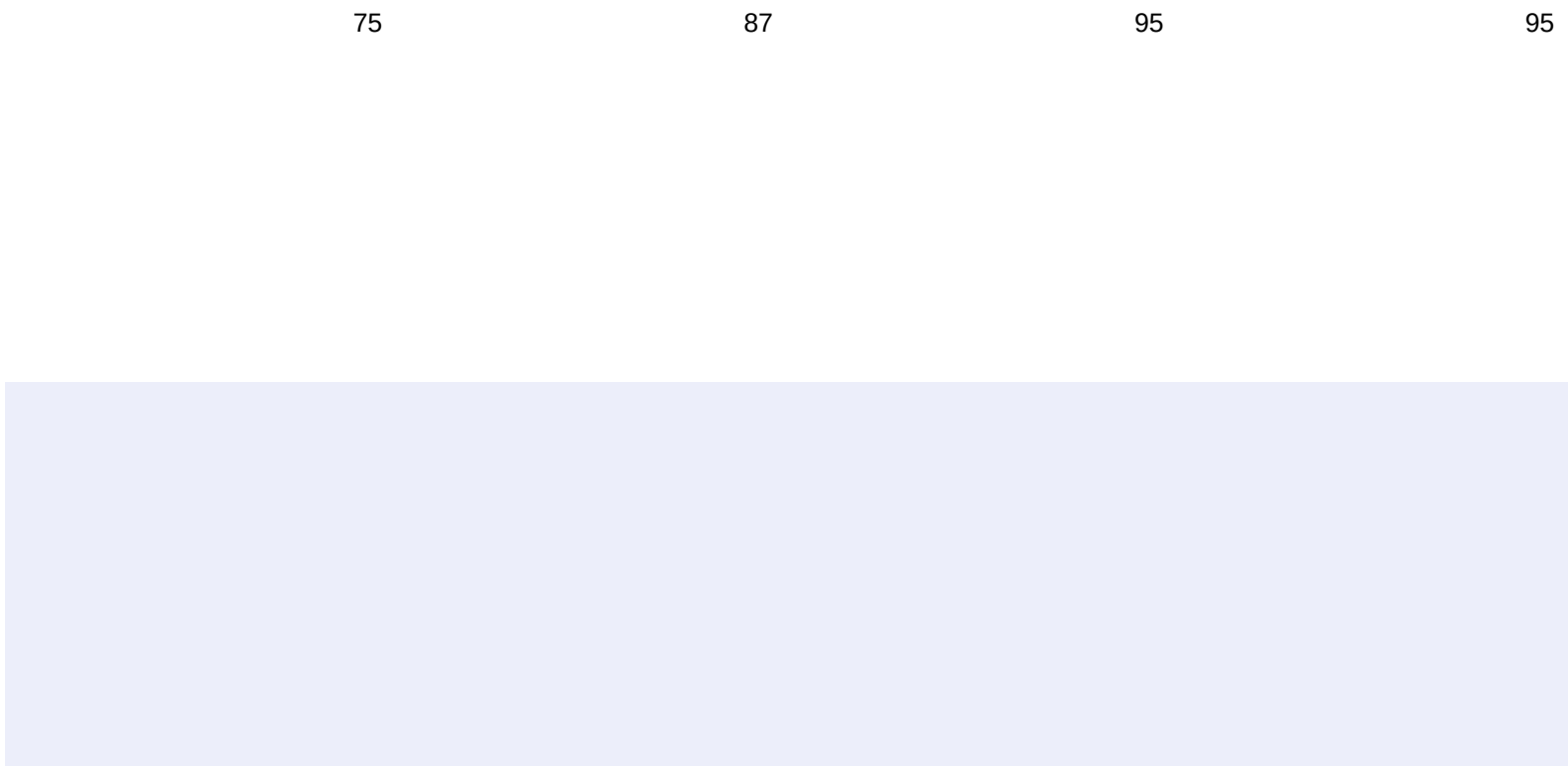
Water Quality Index Scores (1994-2013) from The WA State D

16A070	Skokomish R nr Potlatch	Hood Canal
25E060	Abernathy Cr nr mouth	Lower Columbia
25F060	Mill Cr. nr mouth	Lower Columbia

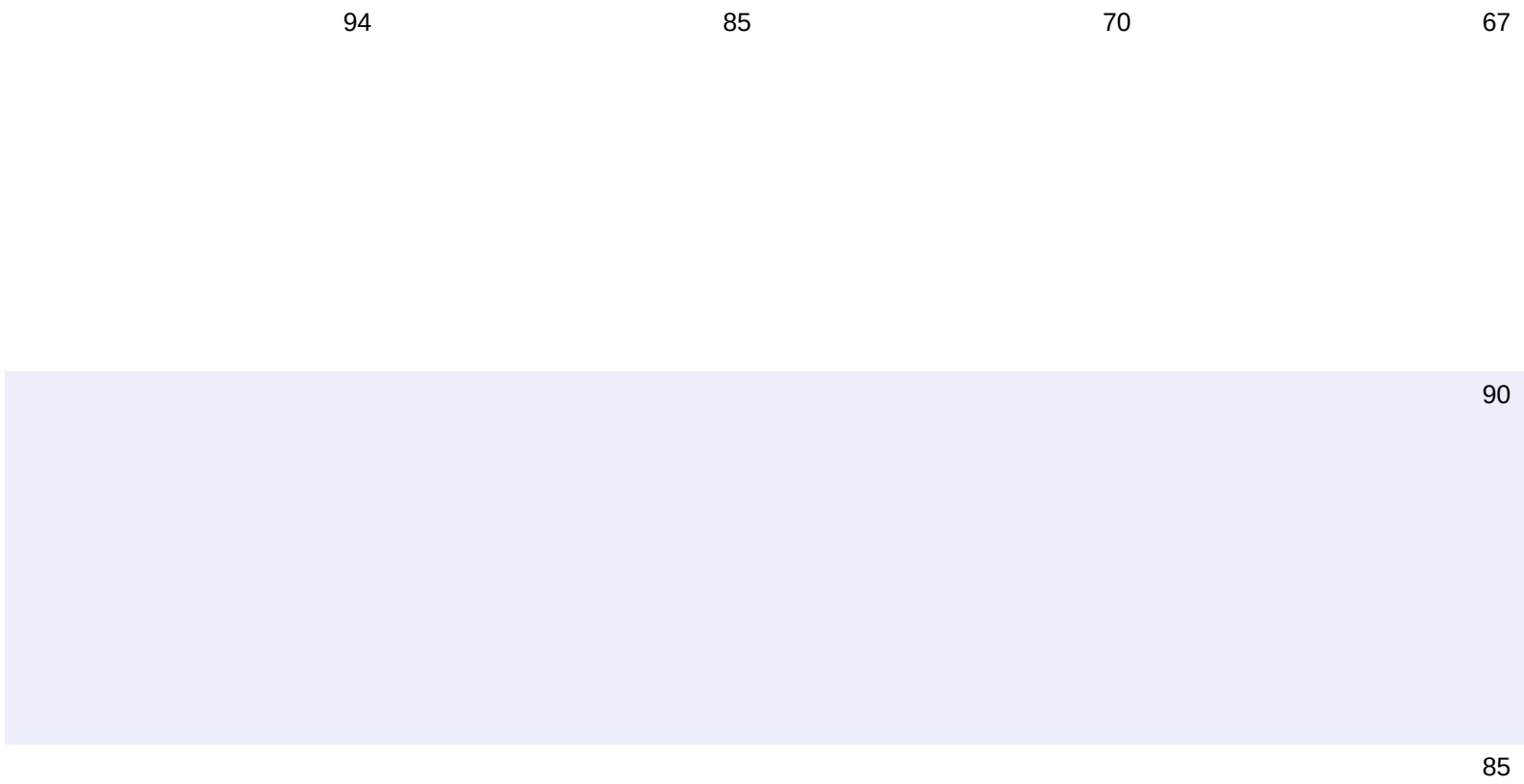
Water Quality Index Scores (1994-2013) from The WA State D



Water Quality Index Scores (1994-2013) from The WA State D



Water Quality Index Scores (1994-2013) from The WA State D



Water Quality Index Scores (1994-2013) from The WA State D

92	89	89	94
93	85	90	84
90	90	91	90

Water Quality Index Scores (1994-2013) from The WA State D

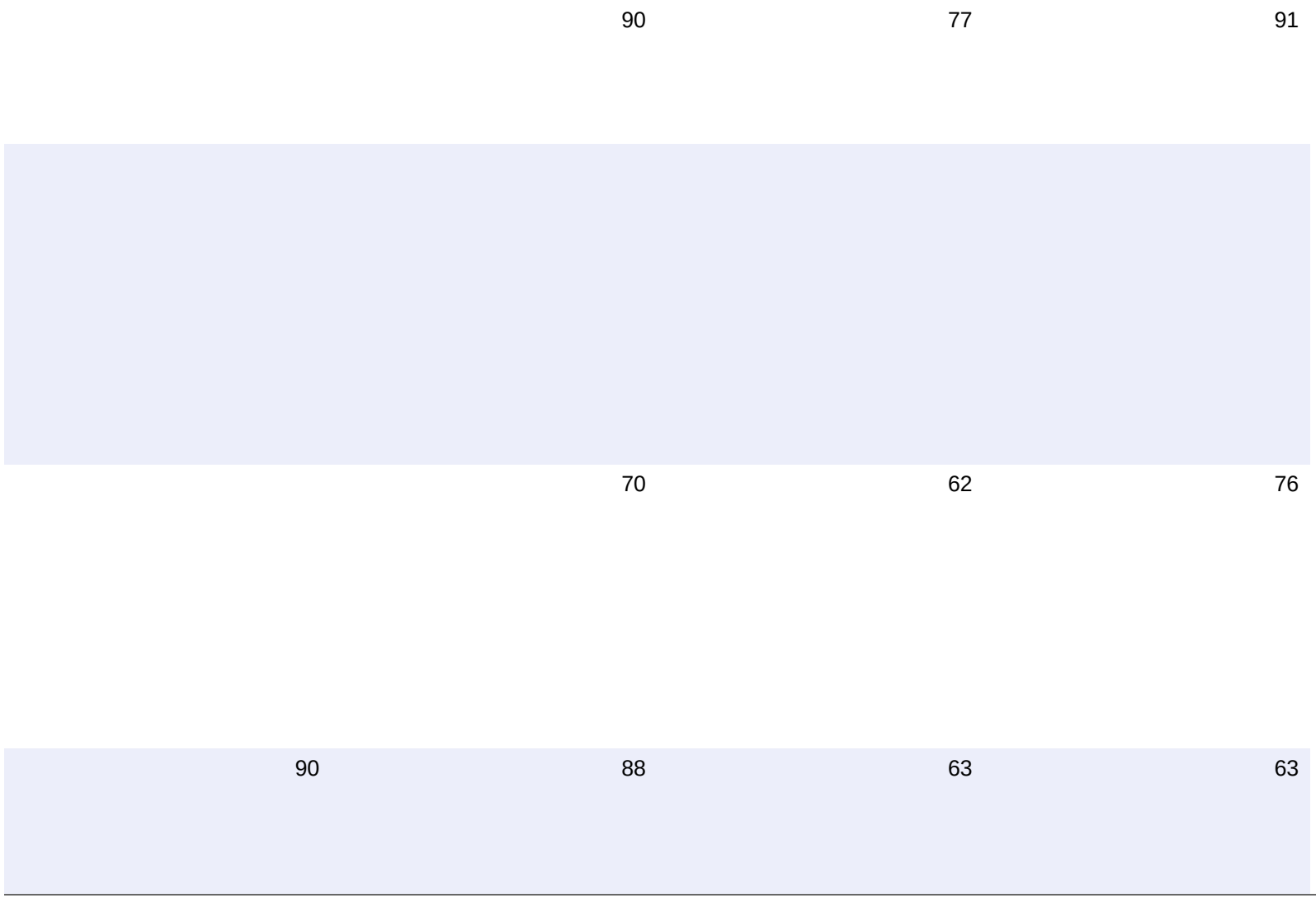
86	70	88	93
77	73	87	81
80	77	88	89

	were better than 80, except for sediment concentration. The Duckabush is on the 303(d) list for temperature.	
86	Most annual parameter WQI scores were better than 80 most of the time, however, sediment and phosphorus concentrations dipped below 80 at least once. There is a bacteria management plan for most of the Skokomish, though a reach near the mouth is still on the 303(d) list for bacteria.	(47.3098, -123.1771)
84	Annual nitrogen scores were below 80 all the time and temperature and sediment scores were below 80 in two of seven years of monitoring. Other scores were above 80 most of the time. This reach is listed for exceeding temperature criteria. This is an "Intensively Monitored Watersheds" station.	(46.1948, -123.1662)
87	Most annual parameter scores were above 80 most of the time. However, data from continuous temperature monitoring has resulted in this reach being listed for exceeding temperature	(46.1906, -123.1786)

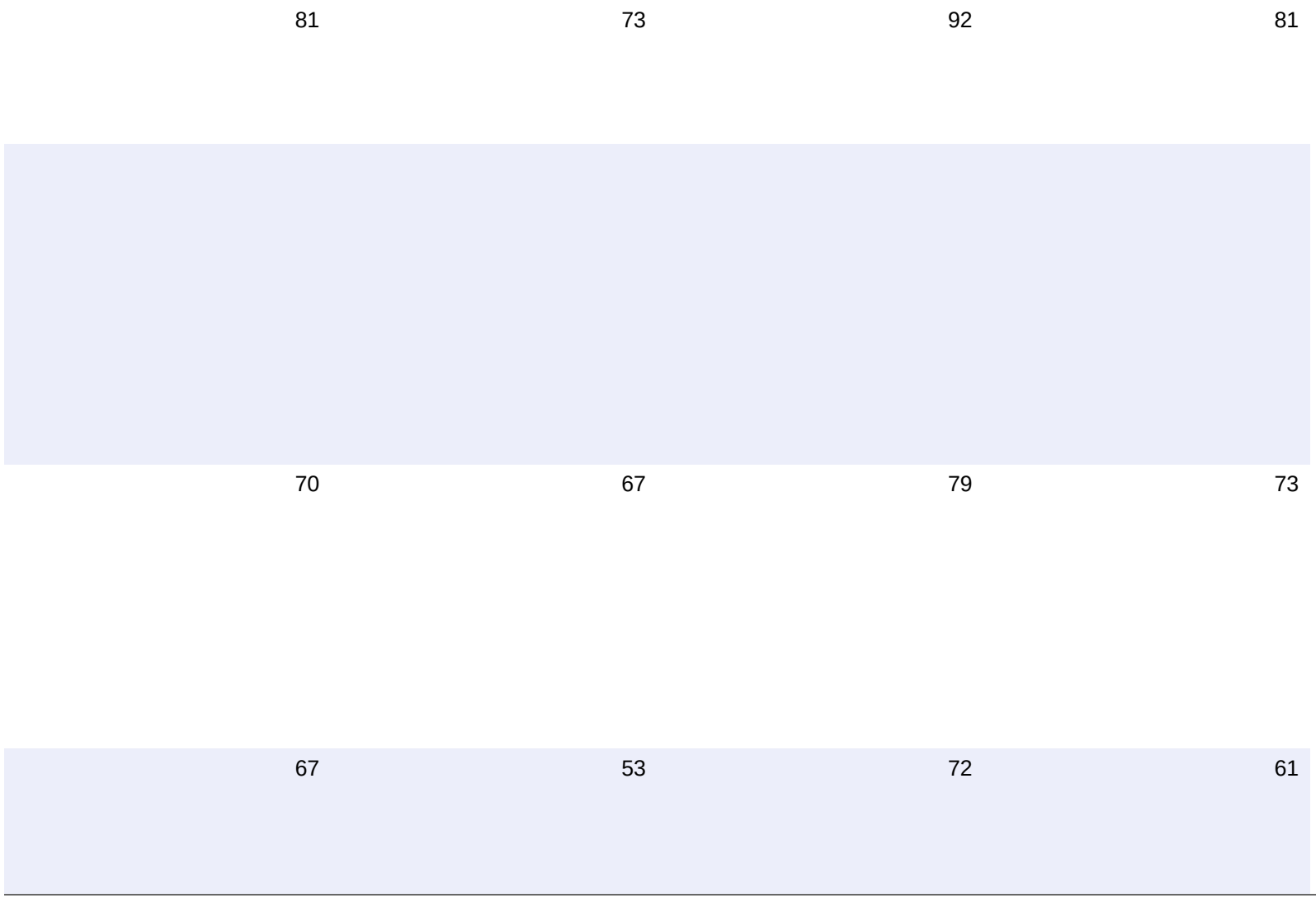
Water Quality Index Scores (1994-2013) from The WA State D

27B070	Kalama R nr Kalama	Lower Columbia
25D050	Germany Cr @ mouth	Lower Columbia
27D090	EF Lewis R nr Dollar Corner	Lower Columbia
26B070	Cowlitz R @ Kelso	Lower Columbia

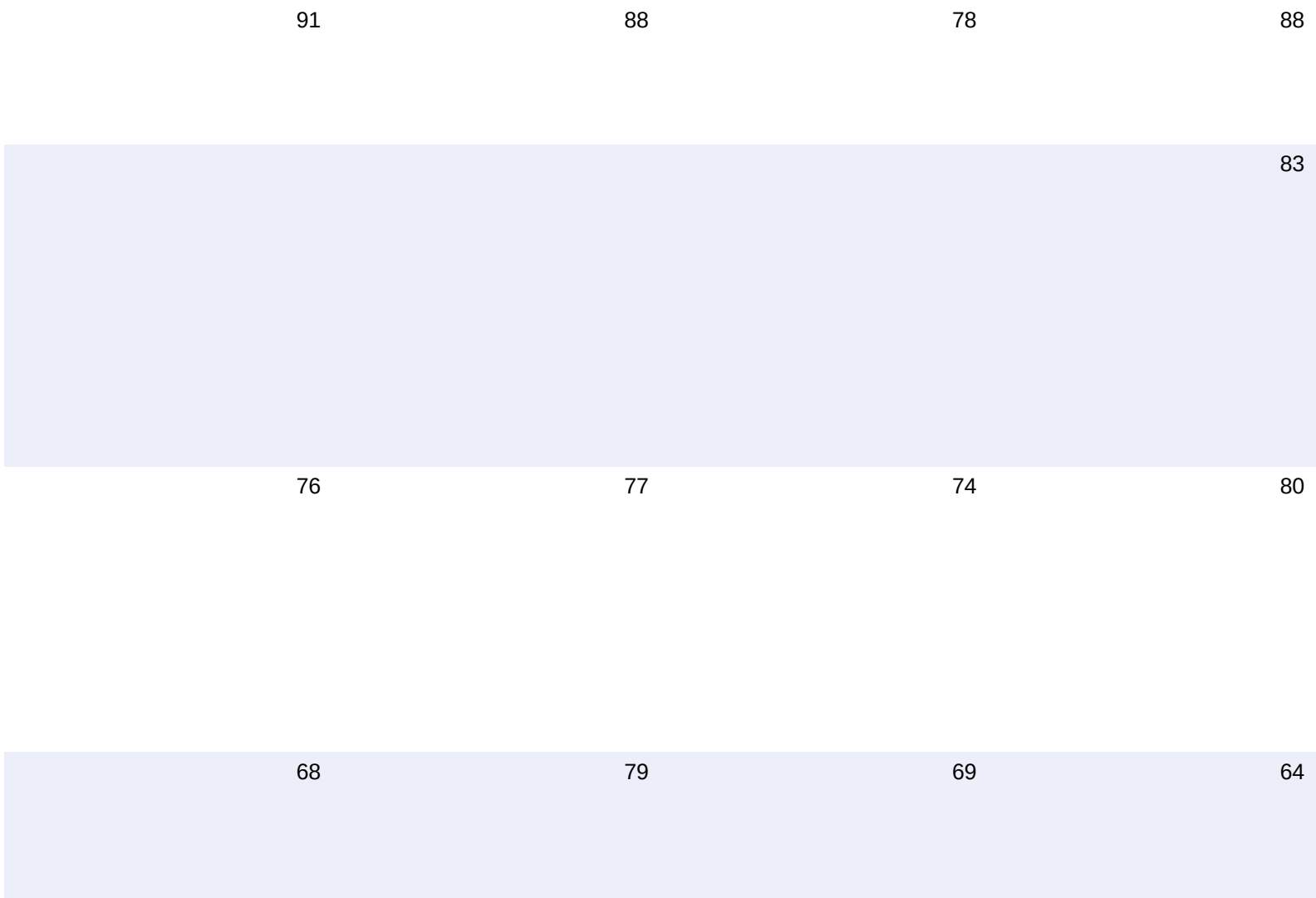
Water Quality Index Scores (1994-2013) from The WA State D



Water Quality Index Scores (1994-2013) from The WA State D



Water Quality Index Scores (1994-2013) from The WA State D



Water Quality Index Scores (1994-2013) from The WA State D

87	74	93	90
86	80	88	76
78	73	88	83
84	65	70	75

Water Quality Index Scores (1994-2013) from The WA State D

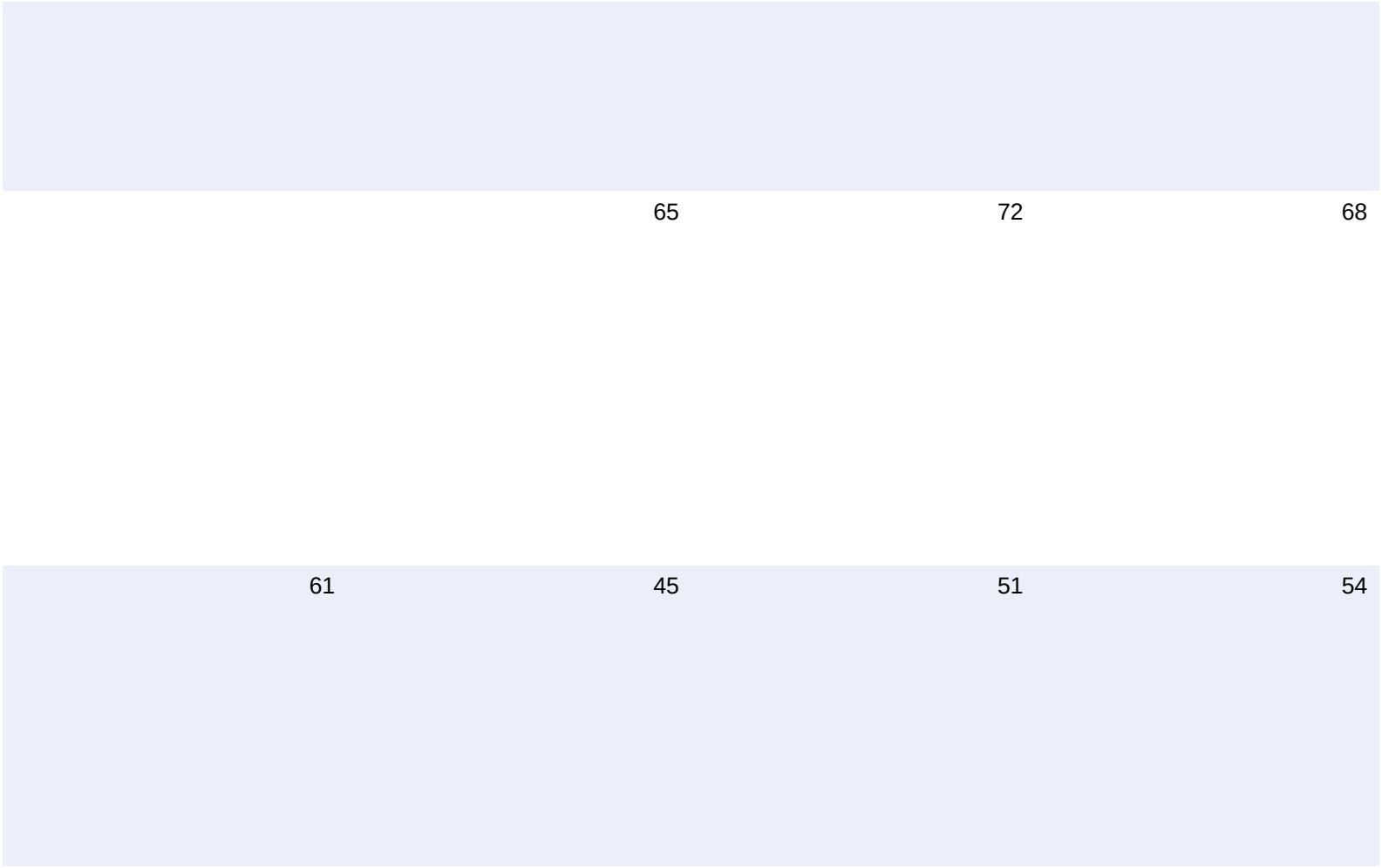
89	93	89	90
60	63	76	85
86	89	83	86
77	70	78	88

	criteria. This is an "Intensively Monitored Watersheds" station.	
86	Most all annual parameters scores showed some improvement since 2010. This reach is listed for exceeding temperature criteria.	(46.0473, -122.8373)
77	Annual nitrogen scores were always well below 80. Annual bacteria, suspended sediment, and temperature scores were below 80 more that half the time. Oxygen and pH scores were always above 80. This reach is listed for temperature and fecal bacteria. This is an "Intensively Monitored Watersheds" station.	(46.1915, -123.1253)
77	Annual temperature scores, in particular, were below 80, however oxygen scores showed some imporvement since 2010. Bacteria and nutrient scores were sometimes below 80 but nutrient scores have been improving. This reach is listed for temperature and bacteria.	(45.8146, -122.5918)
72	Sediment and phosphorus scores were especially low, likely due to the influences of the Toutle River and Mount St. Helens. The watershed	(46.1454, -122.9143)

Water Quality Index Scores (1994-2013) from The WA State D

39A090	Yakima R nr Cle Elum	Middle Columbia
37A090	Yakima R @ Kiona	Middle Columbia
38A050	Naches R @ Yakima on US HWY 97	Middle Columbia

Water Quality Index Scores (1994-2013) from The WA State D

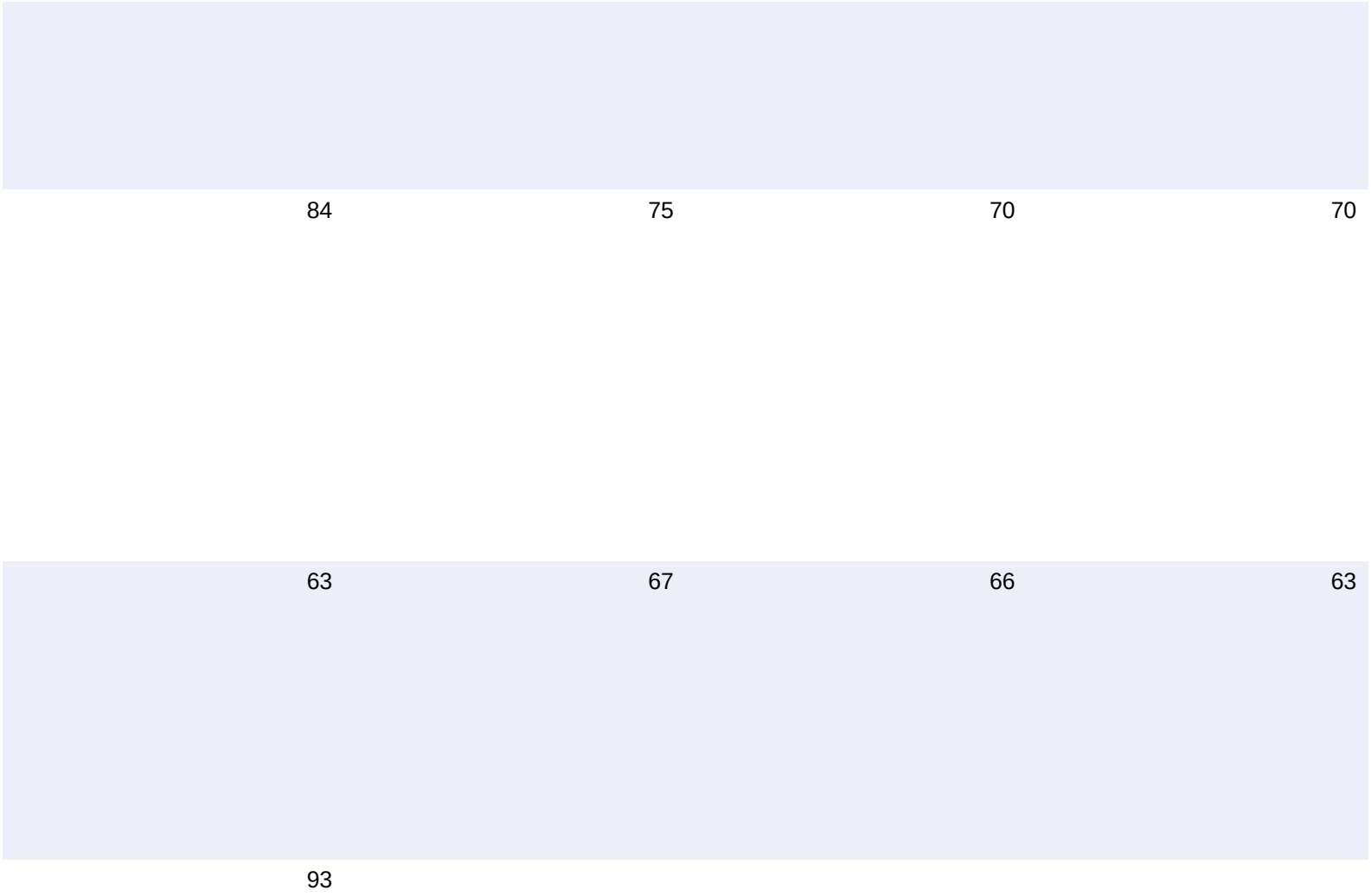


Water Quality Index Scores (1994-2013) from The WA State D

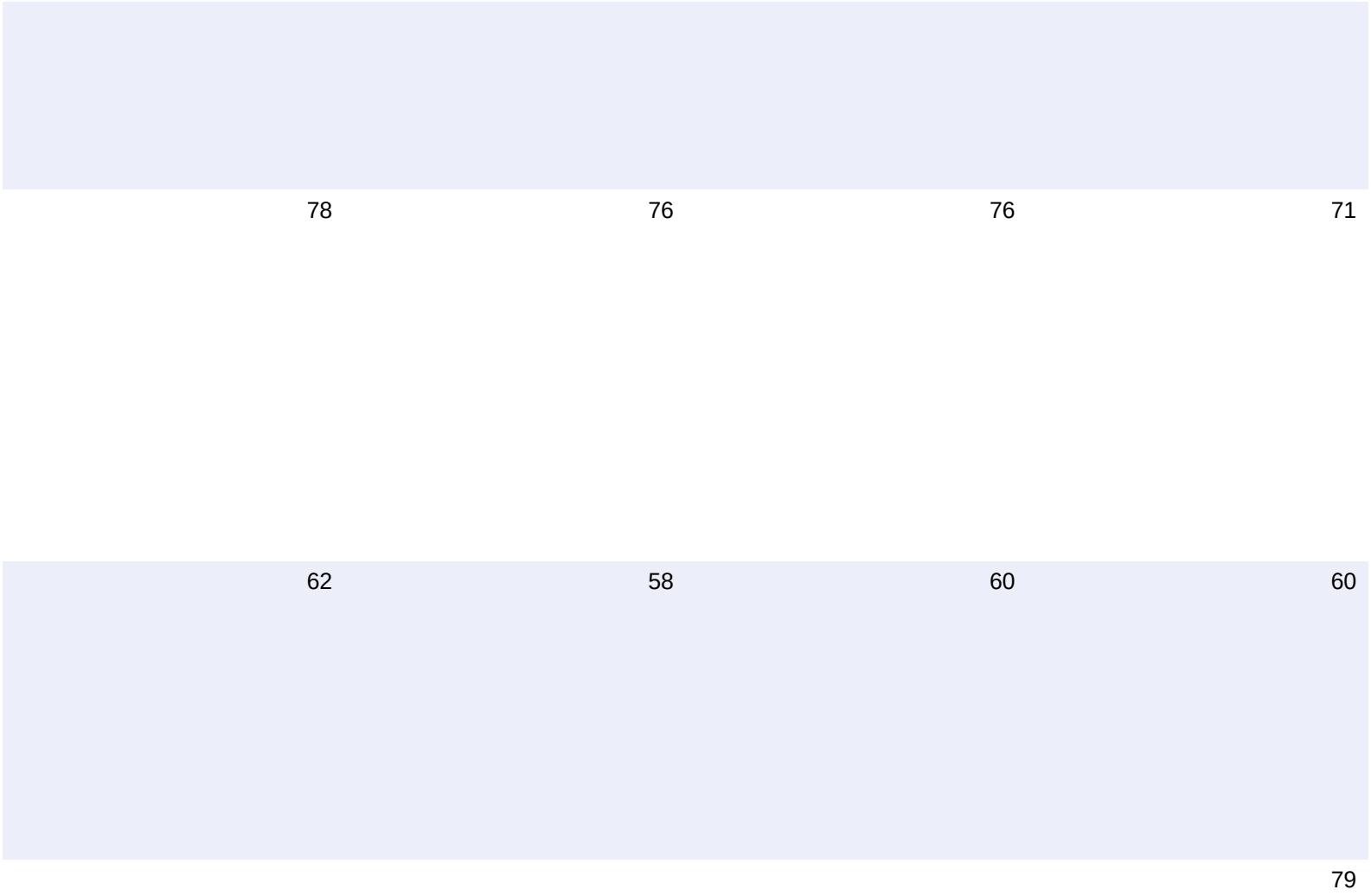
76	74	67	63

53	58	65	61
67	72	80	

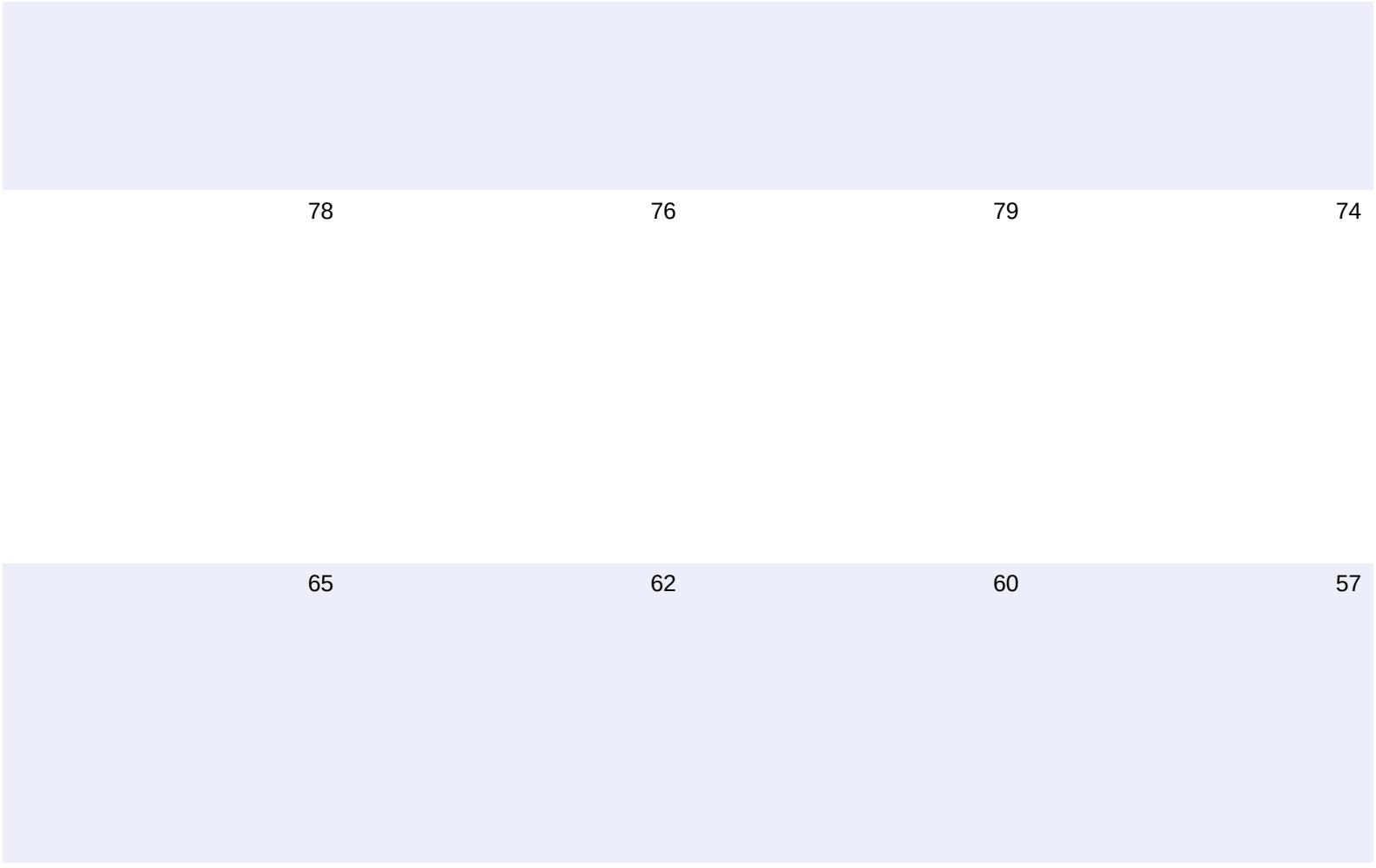
Water Quality Index Scores (1994-2013) from The WA State D



Water Quality Index Scores (1994-2013) from The WA State D



Water Quality Index Scores (1994-2013) from The WA State D

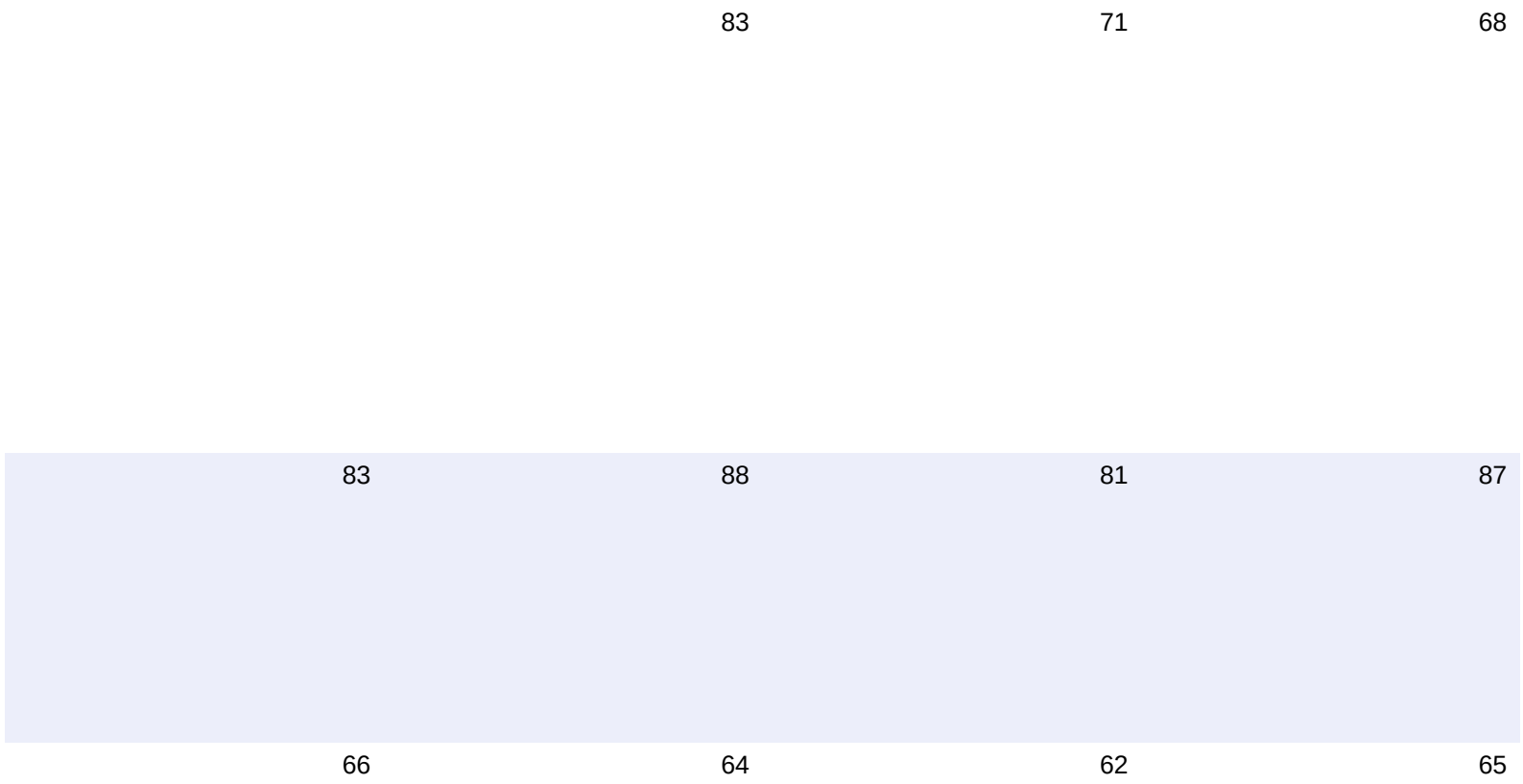


	contains glaciers which may also contribute fine sediment at times. Other scores were generally above 80. The Cowlitz is listed for temperature based on continuous monitoring data.	
73	Criteria are more strict at this station than at Yakima at Nob Hill so WQI scores are worse than at the lower station, even though absolute water quality is better here. Annual scores for all parameters except bacteria, and nitrogen were frequently below 80. Portions of the upper Yakima River are 303d-listed for temperature, pH, and oxygen.	(47.1999, -120.7091)
60	Annual temperature, sediment, pH, and phosphorus scores were often below 80. Oxygen, nitrogen, and bacteria scores were occasionally below 80. Annual nitrogen scores have improved in recent years. The lower Yakima is listed for temperature, pH, bacteria, and oxygen.	(46.5815, -120.4617)
78	We have only a few years of data available for this station, which was recently designated "long-term." Annual WQI scores for all parameters	(46.6298, -120.5156)

Water Quality Index Scores (1994-2013) from The WA State D

37A205	Yakima R @ Nob Hill	Middle Columbia
31A070	Columbia R @ Umatilla	Middle Columbia
60A070	Kettle R nr Barstow	NorthEast

Water Quality Index Scores (1994-2013) from The WA State D



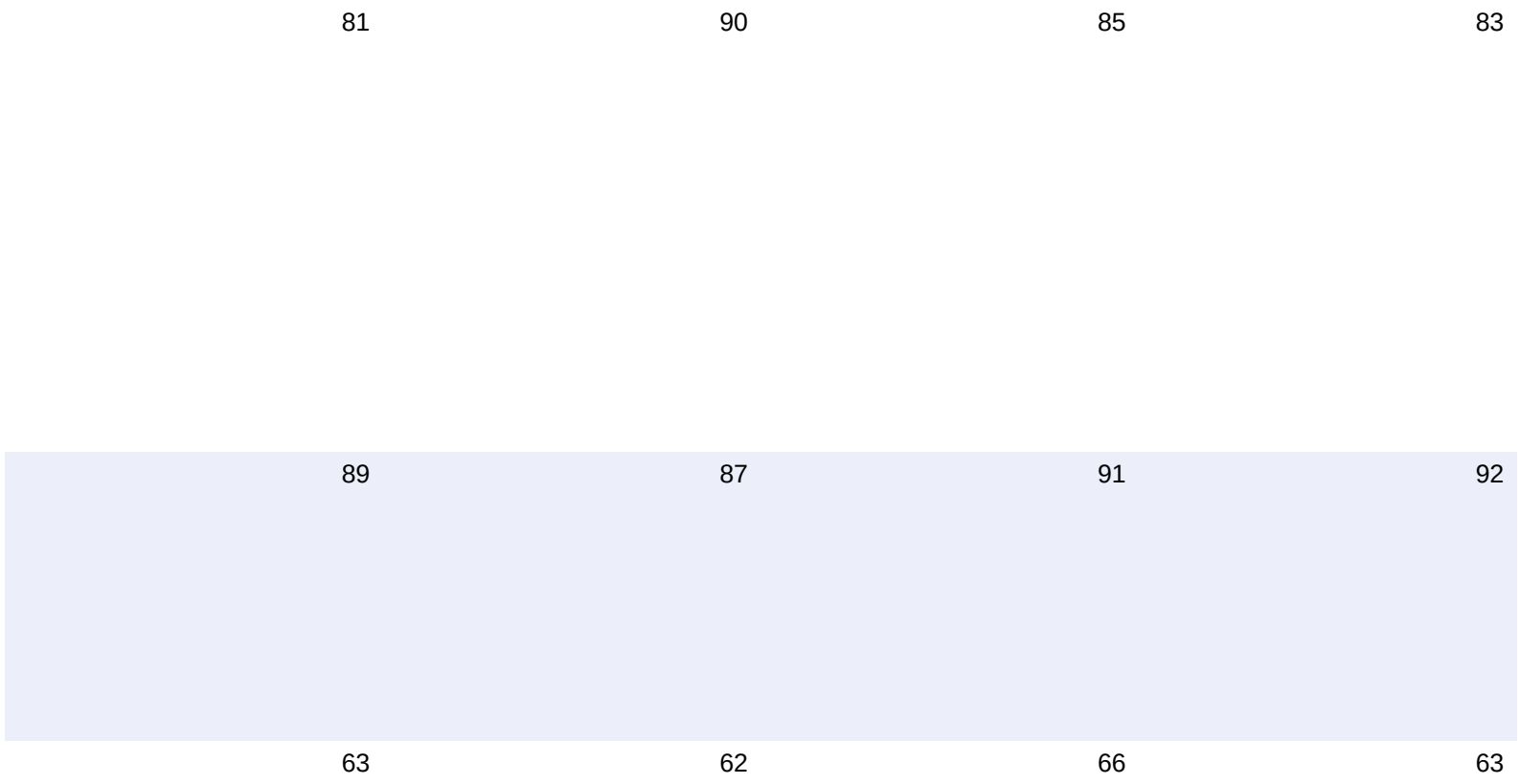
Water Quality Index Scores (1994-2013) from The WA State D

77	76	71	83
83	94	94	87
55	71	70	63

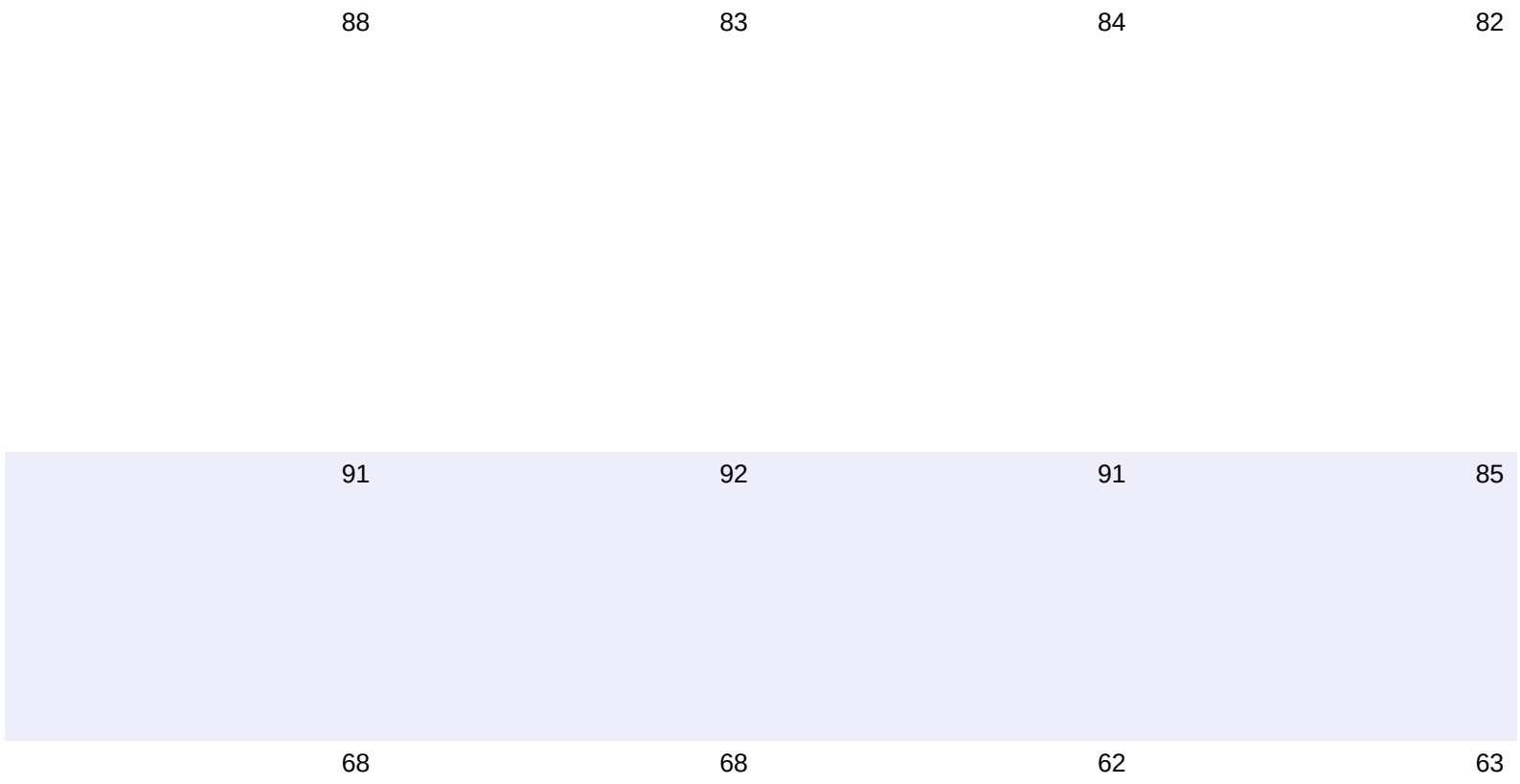
Water Quality Index Scores (1994-2013) from The WA State D

88	83	82	77
91	88	90	90
65	64	65	75

Water Quality Index Scores (1994-2013) from The WA State D



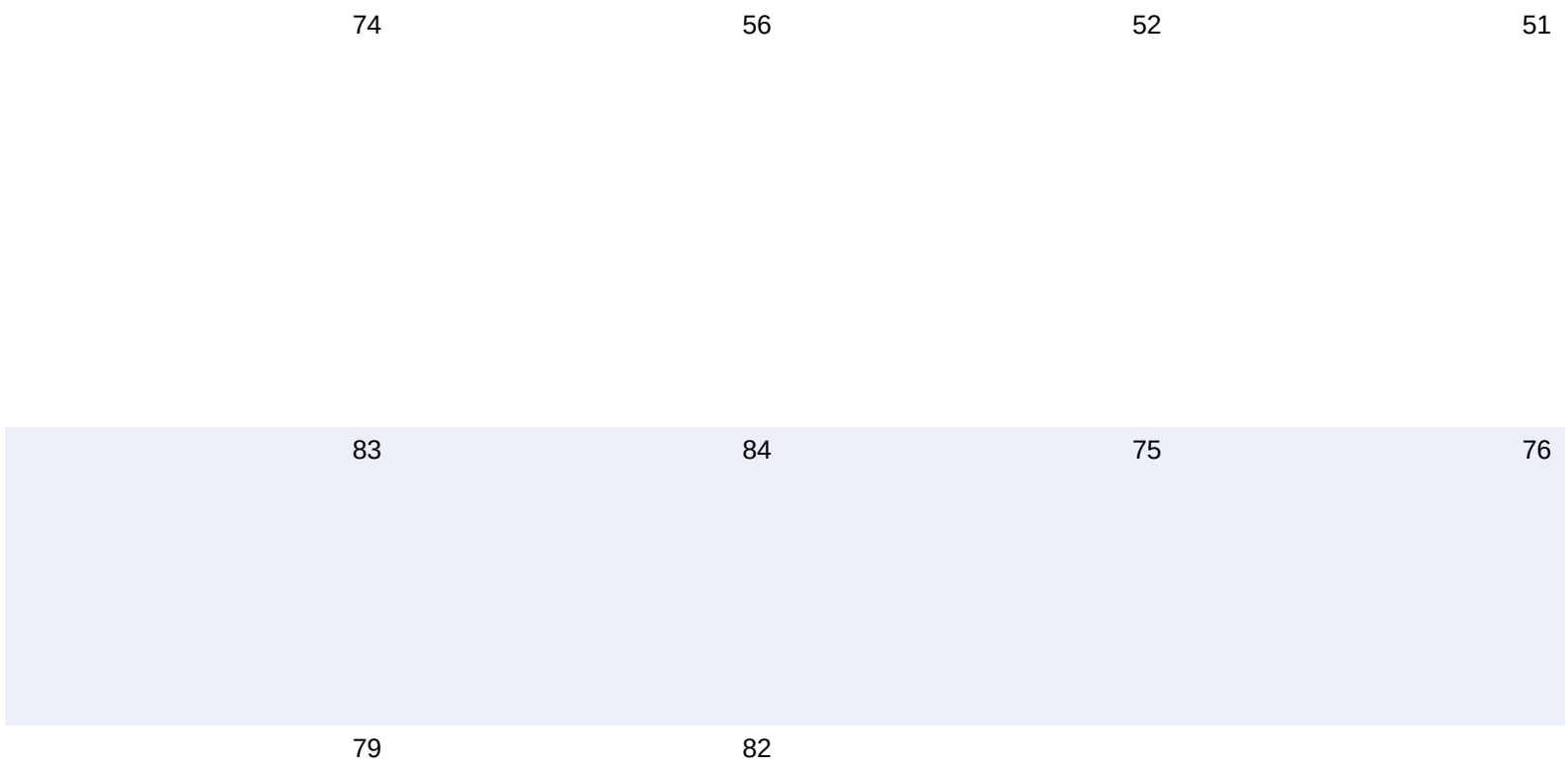
Water Quality Index Scores (1994-2013) from The WA State D



	except oxygen, bacteria, and nitrogen were occasionally below 80. The Naches River is listed for temperature and pH.	
81	Annual sediment, pH, and phosphorus scores were frequently below 80. Temperature and bacteria were only rarely below 80. Annual Oxygen scores were always above 80. Furthermore, annual nitrogen scores have continued to show more improvement ince 2010. The lower Yakima, though not necessarily this reach, is listed for temperature, pH, bacteria, and oxygen.	(46.5815, -120.4617)
89	Annual temperature scores were frequently below 80--though not by much. Sediment, pH, and phosphorus were occasionally below 80 and oxygen, bacteria, and nitrogen were always above 80. The Columbia at Umatilla is not on the 303(d) list.	(45.9338, -119.3264)
65	WQI scores for oxygen, temperature, and sediment were often below 80. Bacteria and nitrogen scores were generally above 80. This station and the upper Columbia River have higher	(48.7846, -118.1253)

54A120	Spokane R @ Riverside State Pk	NorthEast
62A150	Pend Oreille R @ Newport	NorthEast
62A090	Pend Oreille R @ Metaline Falls	NorthEast

Water Quality Index Scores (1994-2013) from The WA State D



Water Quality Index Scores (1994-2013) from The WA State D

61	40	60	68
84	88	85	83
74	77	82	80

Water Quality Index Scores (1994-2013) from The WA State D

60	37	83	69
83	81	86	84
77	77	84	81

Water Quality Index Scores (1994-2013) from The WA State D

55	69	61	57
77	78	79	72
74	71	74	76

Water Quality Index Scores (1994-2013) from The WA State D

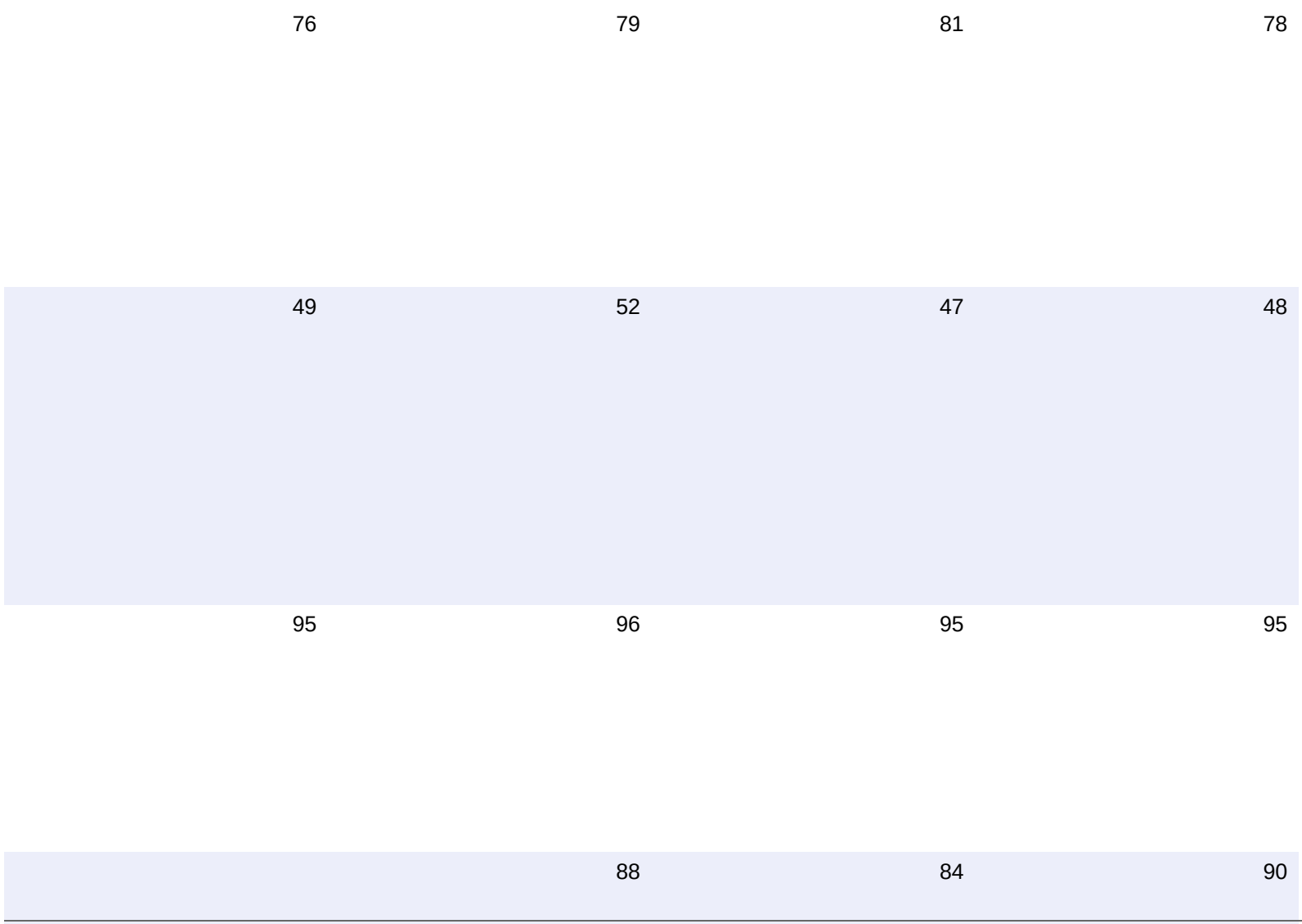
63	43	70	86
79	80	77	77
78	77	76	79

	standards than the other stations listed here. The Kettle River is 303d-listed for temperature and oxygen.	
61	WQI scores for nutrients and sediment were often below 80. Nitrogen scores were particularly low, probably because this stations is downstream of the Spokane water water treatment facilitiy. Oxygen and temperature scores were generally above 80. The lower Spokane River, though not necessarily this particular reach, is 303d-listed for bacteria and oxygen.	(47.7767, -117.5448)
81	Temperature, pH, and sediment scores were often below 80--the first two may be a consequence of this river being a lake outlet. Other scores were usually above 80. The Pend Oreille River is on the 303d list for temperature and pH.	(48.1847, -117.0352)
78	As at the upper station, temperature, pH, and sediment scores were often below 80--the first two may be a consequence of this river being impounded. Other scores were usually above 80. The Pend Oreille River is on the 303d list for temperature and	(48.8649, -117.3733)

Water Quality Index Scores (1994-2013) from The WA State D

61A070	Columbia R @ Northport	NorthEast
10A070	Puyallup R @ Meridian St	Puget Sound
08C110	Cedar R nr Landsburg	Puget Sound
07C070	Skykomish R @ Monroe	Puget Sound

Water Quality Index Scores (1994-2013) from The WA State D



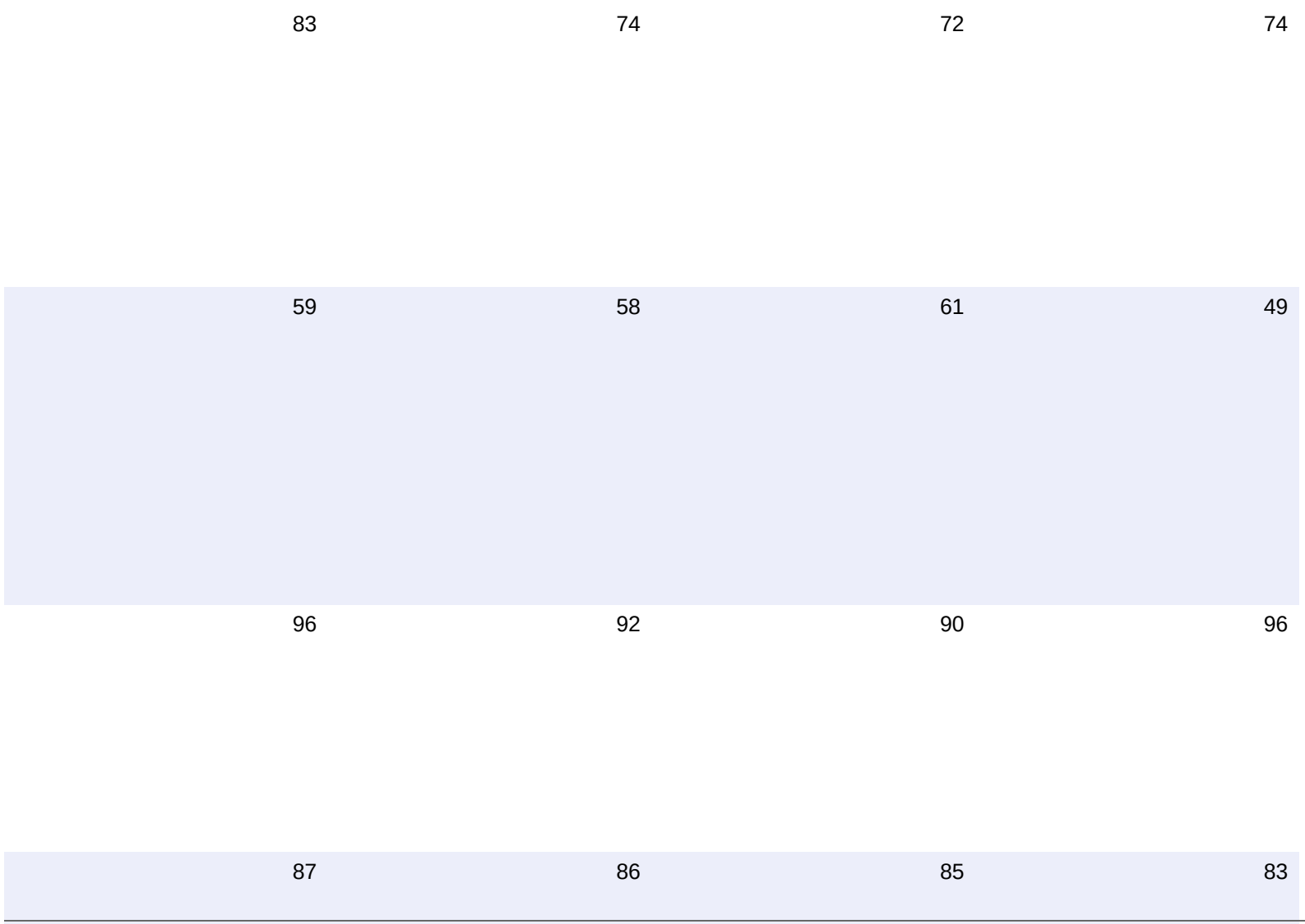
Water Quality Index Scores (1994-2013) from The WA State D

	77	82	84	78
	41	62	60	58
	95	96	96	88
	91	87	93	90

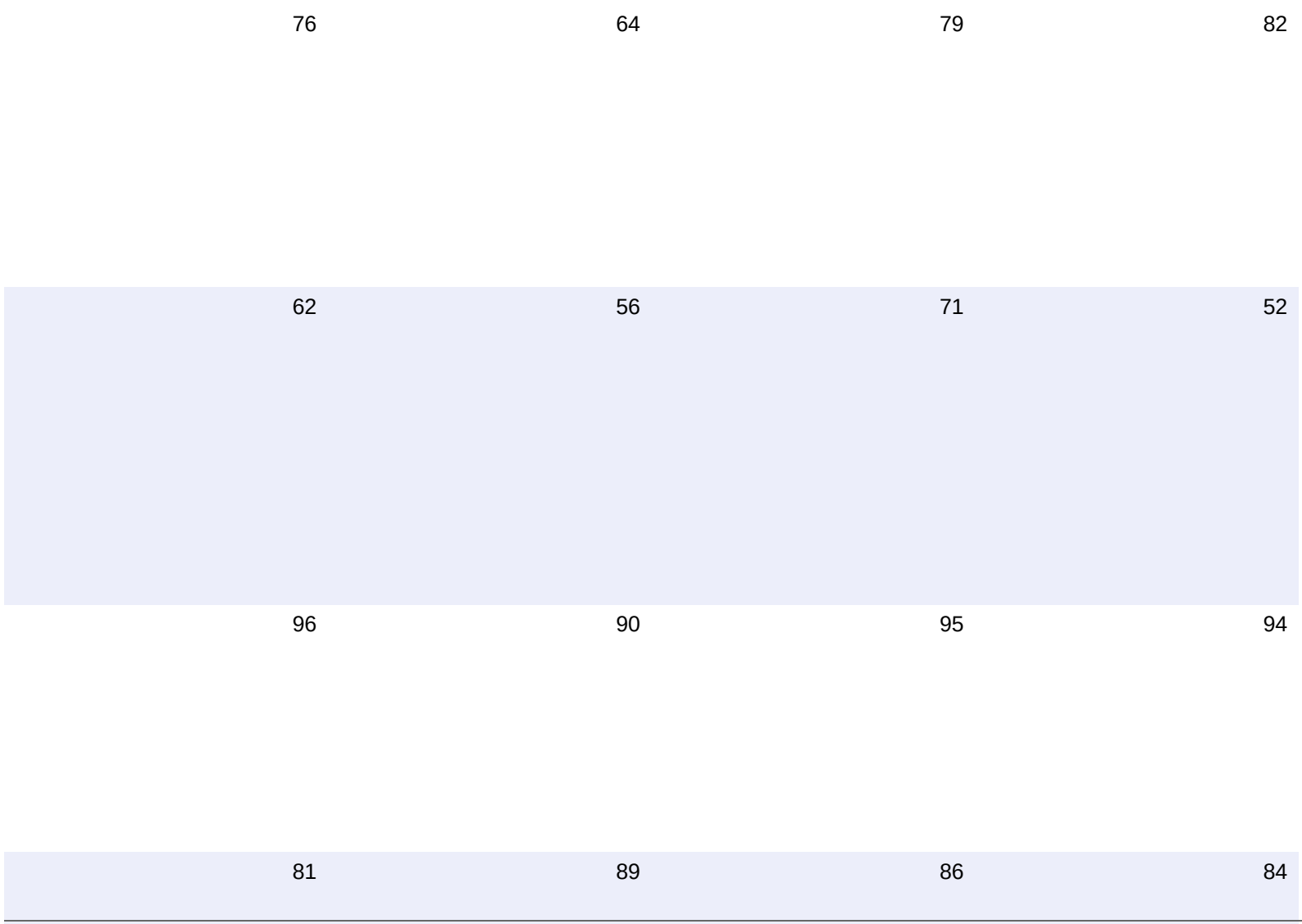
Water Quality Index Scores (1994-2013) from The WA State D

78	78	81	86
57	55	51	58
96	94	95	96
90	80	86	85

Water Quality Index Scores (1994-2013) from The WA State D



Water Quality Index Scores (1994-2013) from The WA State D

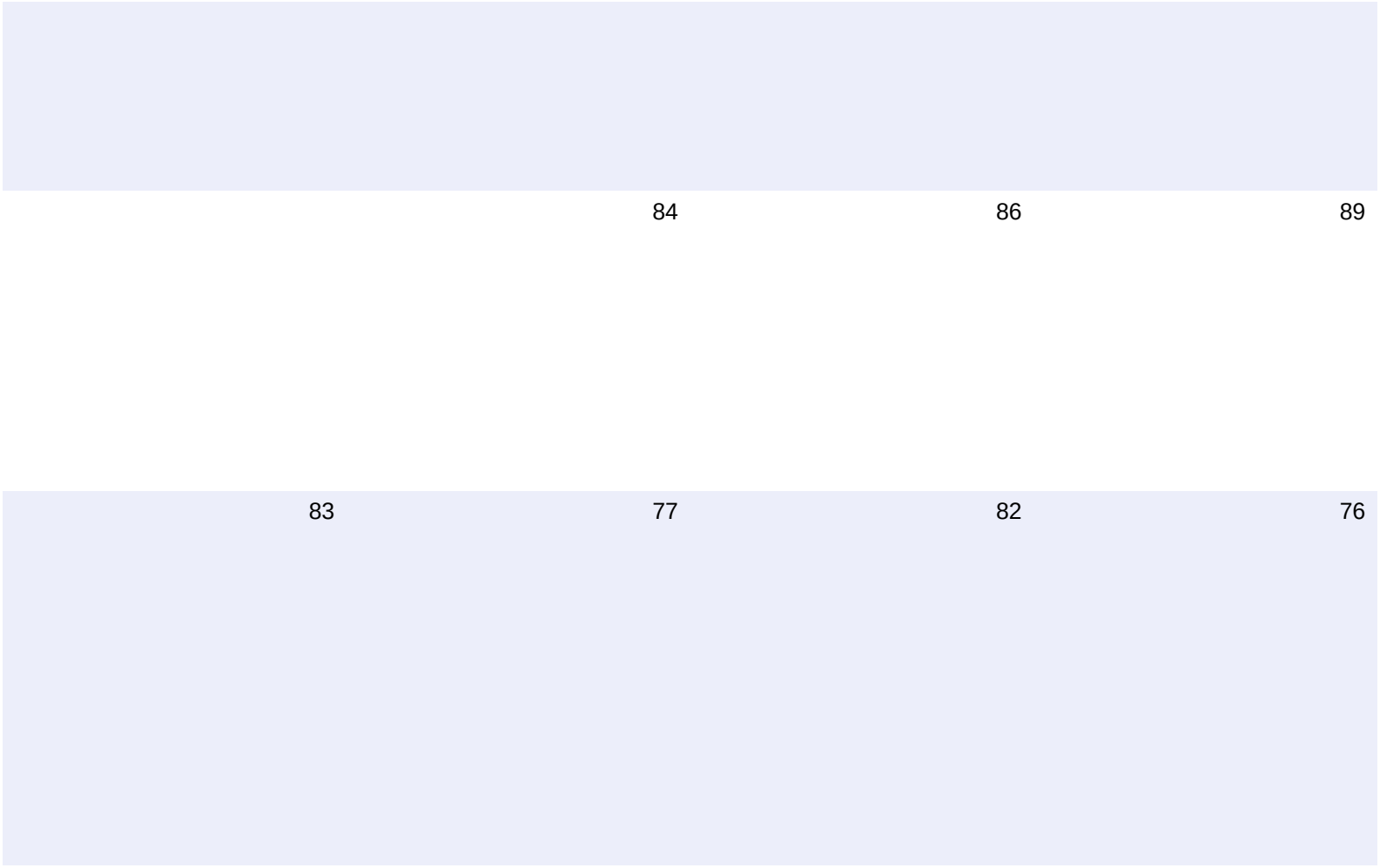


	pH.	
78	WQI scores for oxygen and temperature were often below 80. Nutrient scores were generally above 80. This station and the Kettle River have higher standards than the other stations listed here. The upper Columbia is not 303d-listed for any conventional parameters.	(48.9224, -117.7766)
55	Annual sediment and phosphorus scores were very low and alway below 80. The Puyallup River receives glacial melt water which would affect sediment scores. Bacteria scores were ususally below 80 and annual oxygen and nitrogen and temperature scores were occasionally below 80. The Puyallup is currently on the 303d list for bacteria.	(47.2026, -122.2937)
94	All index scores at this station are > 80. This station is in a controlled watershed which provides drinking water to the city of Seattle and which is generally undeveloped except for some minimal logging activities. The upper Cedar in not 303d-listed.	(47.3913, -121.9205)
87	Annual temperature scores were often below 80. Oxygen and sediment were	(47.8521, -121.9592)

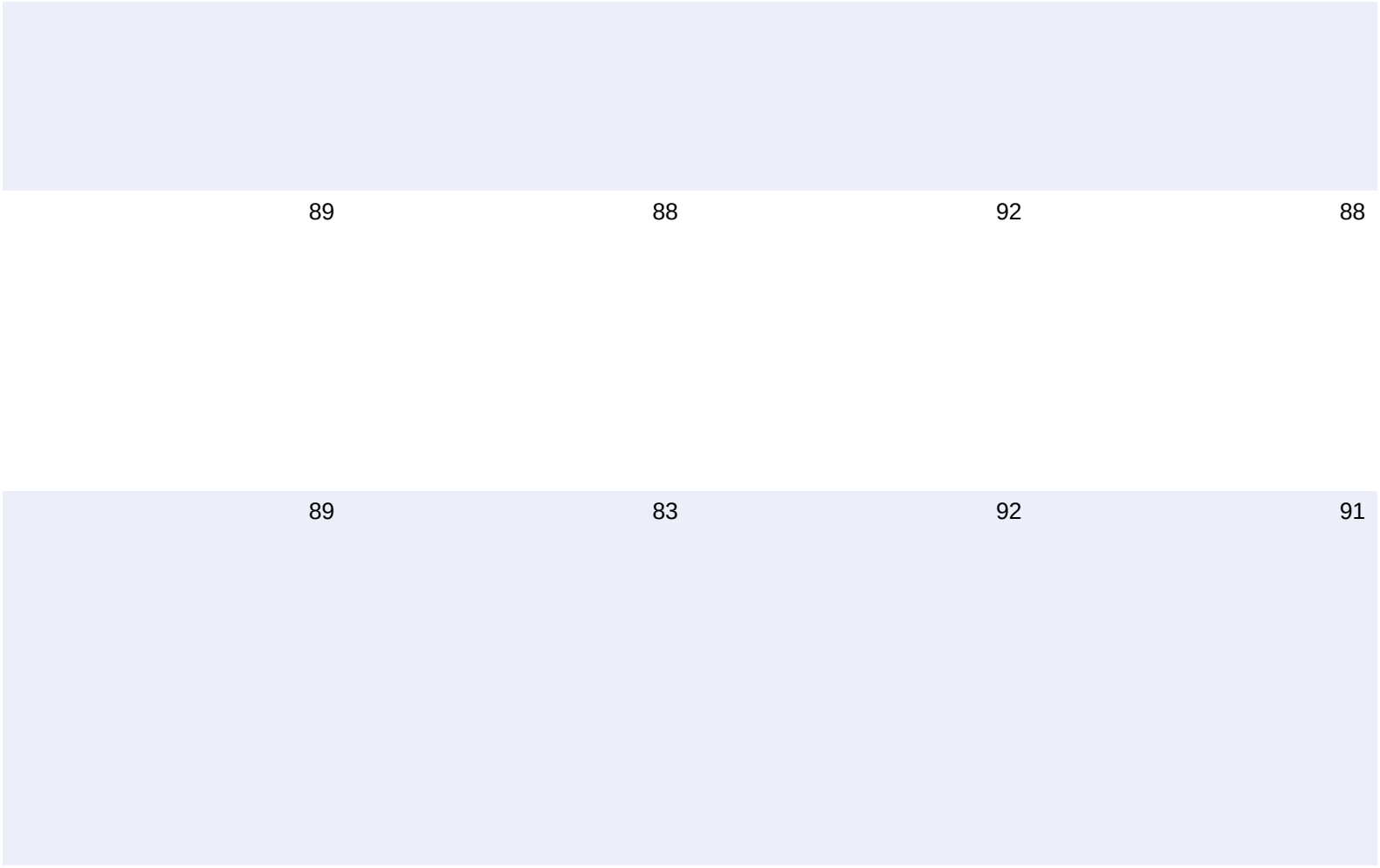
Water Quality Index Scores (1994-2013) from The WA State D

07D130	Snoqualmie R @ Snoqualmie	Puget Sound
07A090	Snohomish R @ Snohomish	Puget Sound
19D070	East Twin R. nr Mouth	Puget Sound

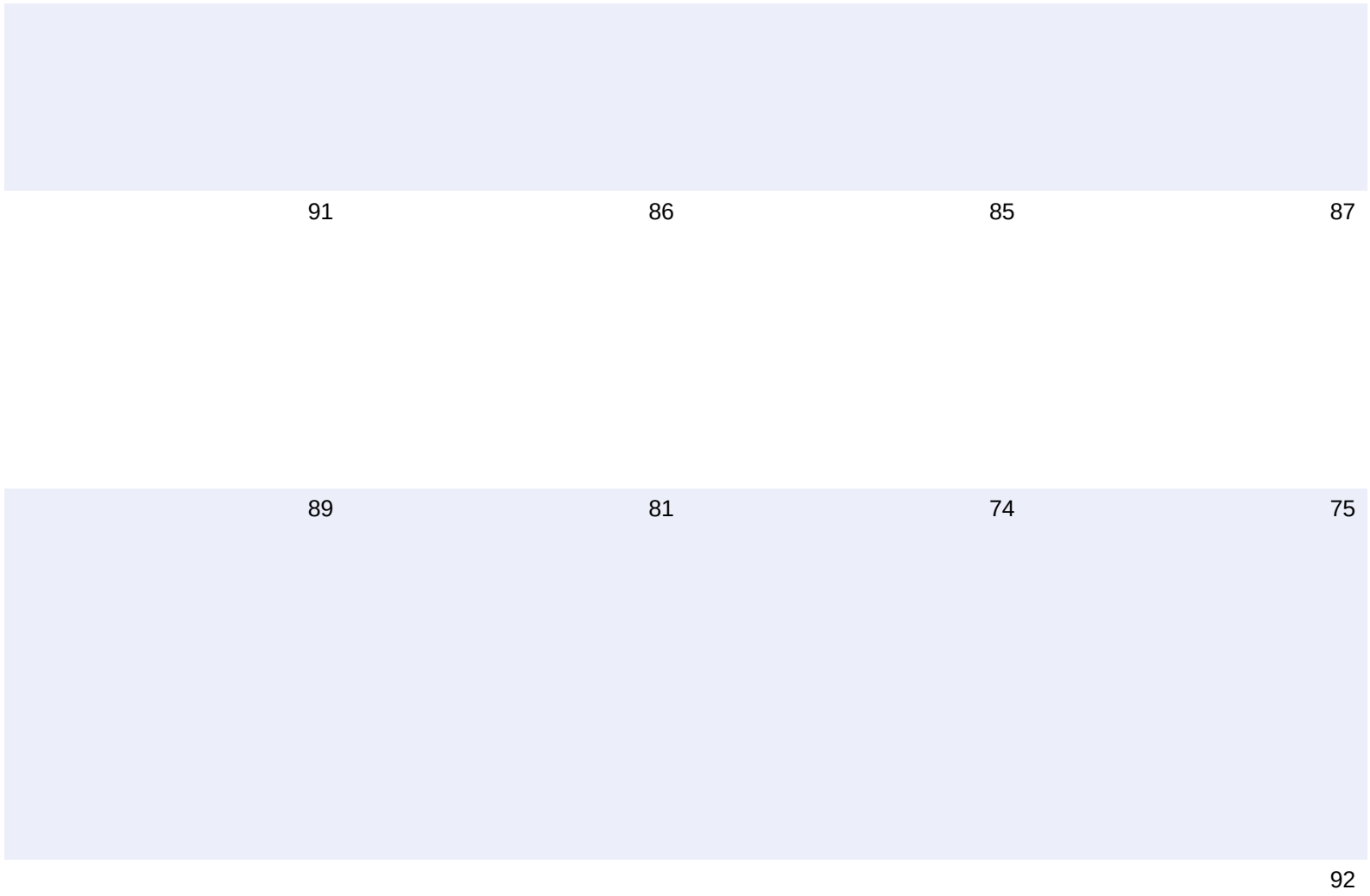
Water Quality Index Scores (1994-2013) from The WA State D



Water Quality Index Scores (1994-2013) from The WA State D



Water Quality Index Scores (1994-2013) from The WA State D



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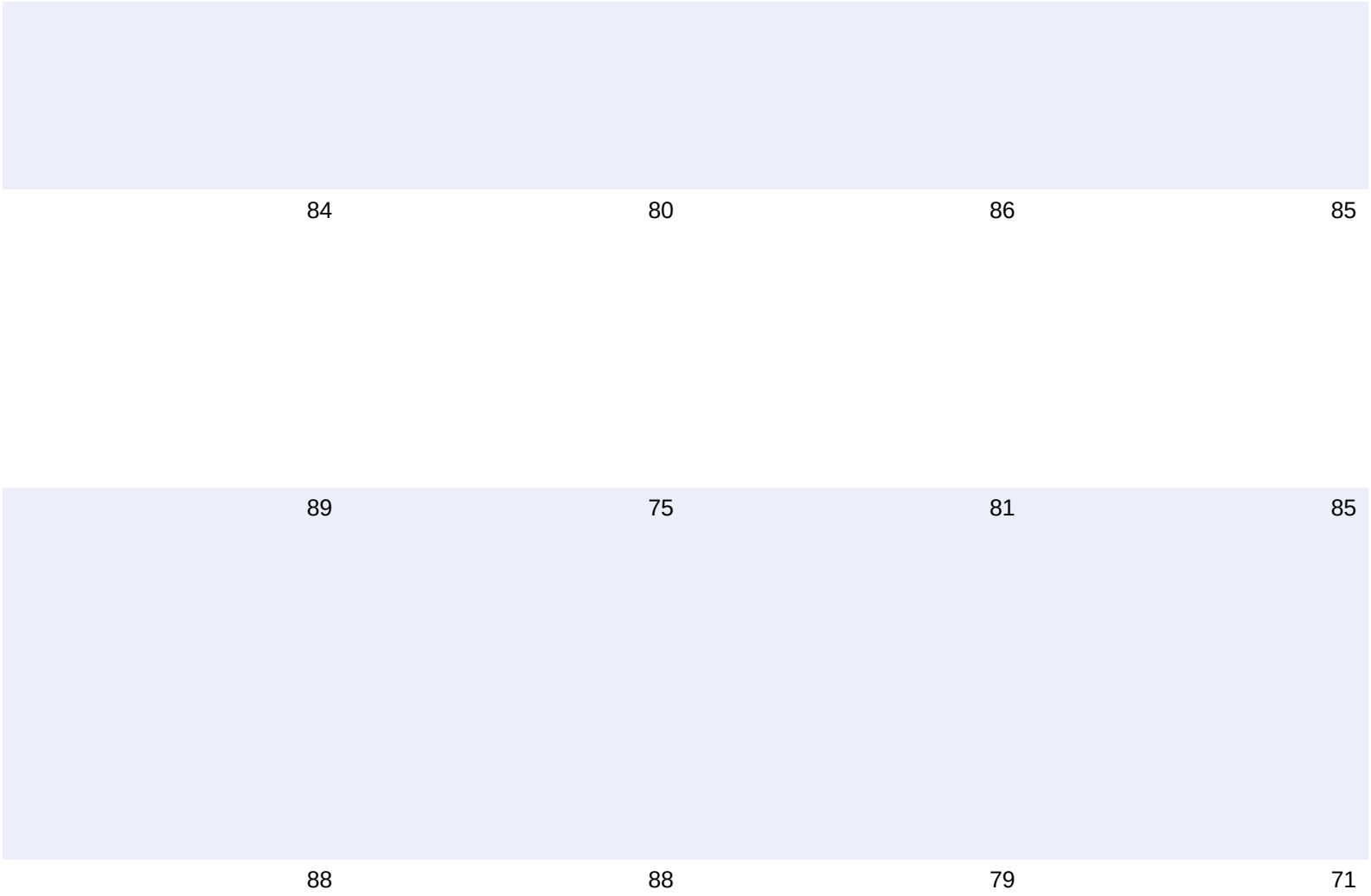
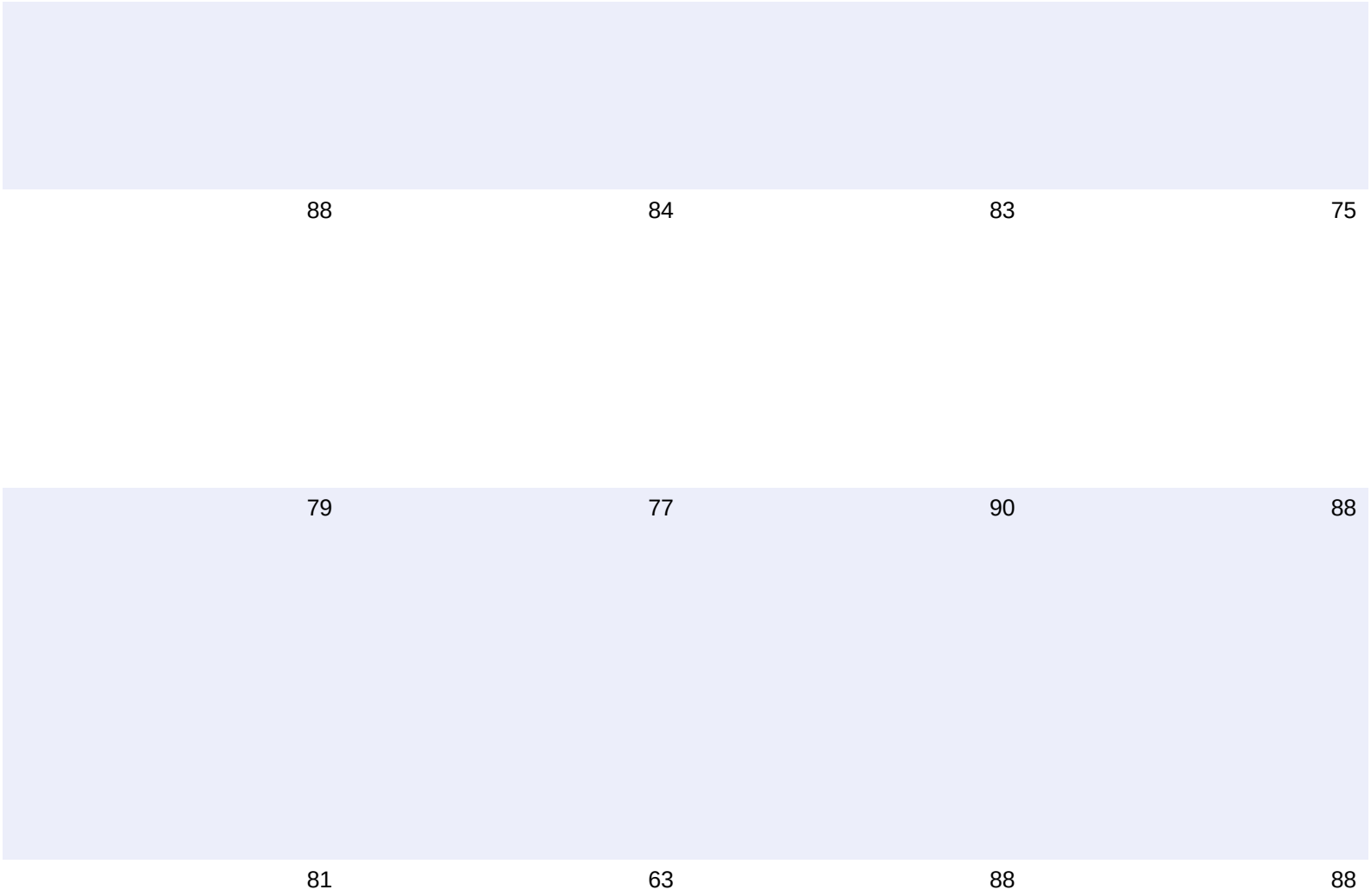


Water Quality Index Scores (1994-2013) from The WA State D



Water Quality Index Scores (1994-2013) from The WA State D

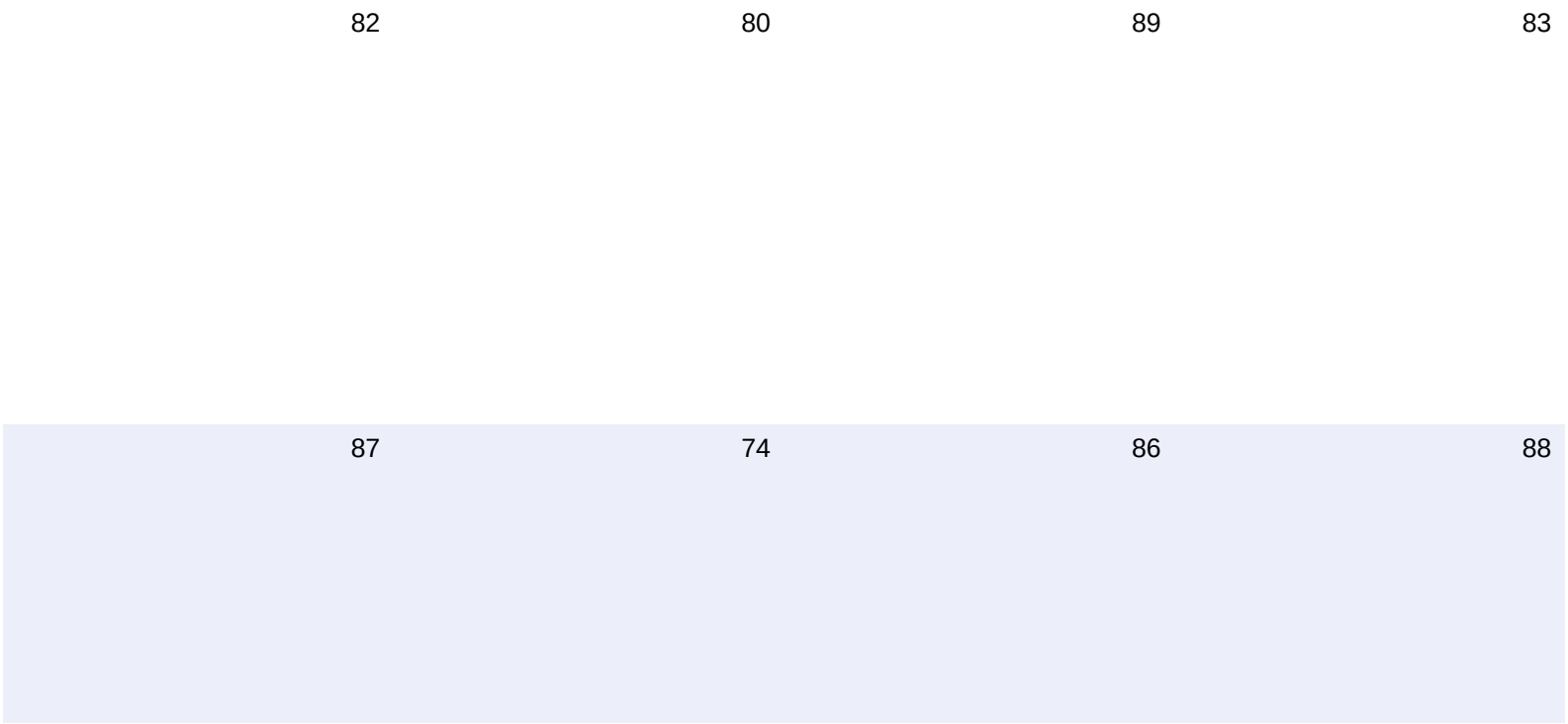
	below 80. Oxygen and sediment were occasionally below 80. Other scores were always or almost always above 80. The Skykomish River is on the 303d list for temperature and oxygen.	
86	Annual oxygen and sediment scores were below 80 about half the time. Temperature and phosphorus scores were occasionally below 80. Other scores were always or almost always above 80. The Upper Snoqualmie River is on the 303d list for oxygen and temperature.	(47.5269, -121.8121)
83	Temperature and sediment scores were below 80 more than half the time. Bacteria and nutrient scores were occasionally below 80. Oxygen and pH scores were always or almost always above 80. Bacteria scores may have improved in recent years. The Snohomish River is on the 303d list for bacteria and has a management plan for oxygen.	(47.9106, -122.0988)
82	We have monitored East Twin since 2005. Annual sediment and nitrogen scores were mostly below 80. Temperature and phosphorus scores	(48.1549, -123.9383)

Water Quality Index Scores (1994-2013) from The WA State D

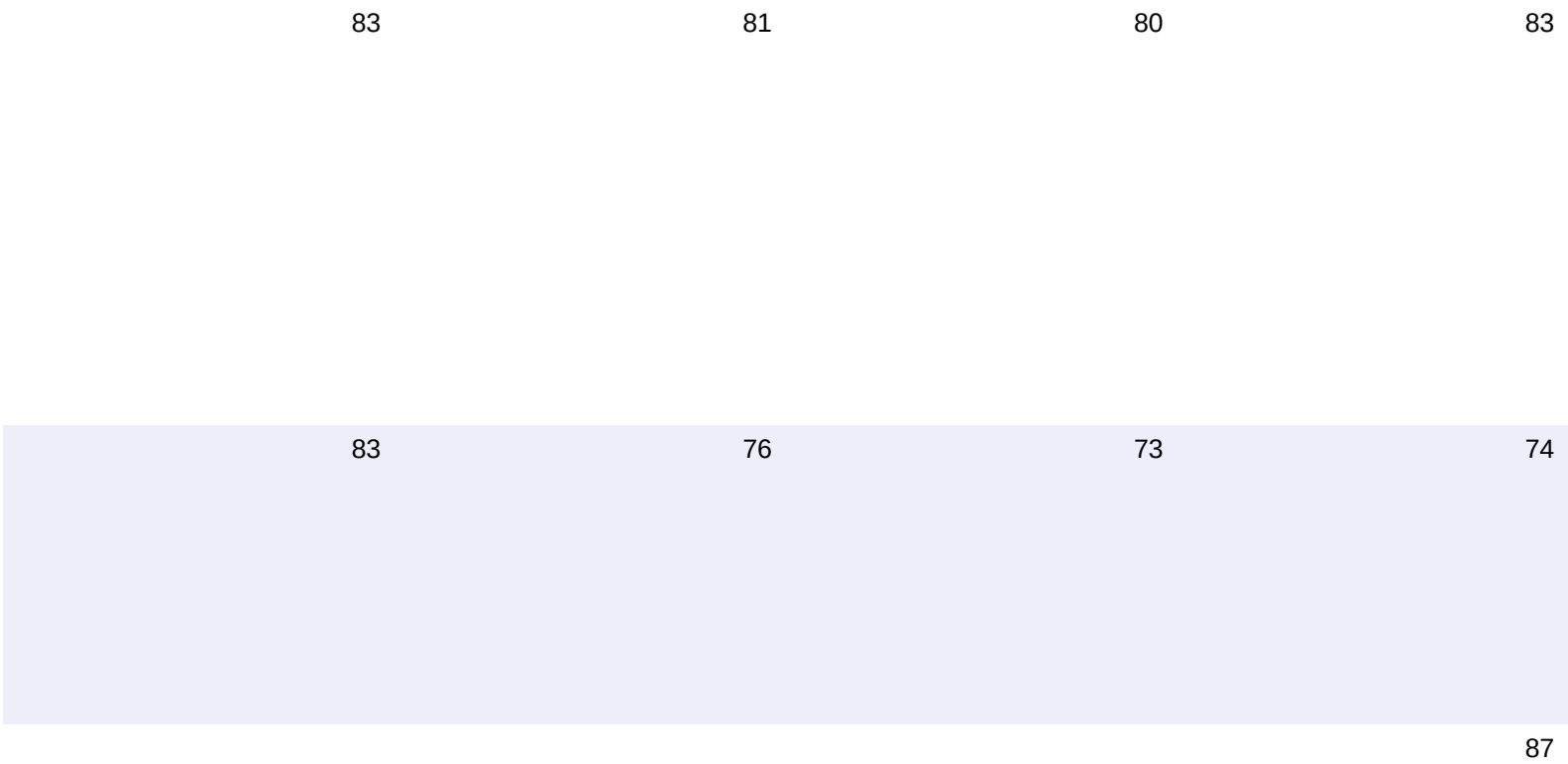
07D050	Snoqualmie R nr Monroe	Puget Sound
18B070	Elwha R nr Port Angeles	Puget Sound
19C060	West Twin R. nr mouth	Puget Sound

Water Quality Index Scores (1994-2013) from The WA State D

Water Quality Index Scores (1994-2013) from The WA State D



Water Quality Index Scores (1994-2013) from The WA State D



Water Quality Index Scores (1994-2013) from The WA State D

82	75	78	85
86	67	66	81
81	87	79	76

Water Quality Index Scores (1994-2013) from The WA State D

78	82	81	87
81	76	64	61
76	63	85	87

	were occasionally below 80. Bacteria, oxygen, and pH scores were always or almost always above 80. East Twin River is not currently on the 303d list.	
80	Annual temperature and sediment scores were below 80 more than half the time. All other scores except oxygen were occasionally above 80. Bacteria and nitrogen scores have improved since the late 1990s. The lower Snoqualmie River is on the 303d list for temperature; some reaches of the Snoqualmie have a management plan for bacteria and oxygen.	(47.8037, -122.0028)
77	Annual sediment and phosphorus scores were almost always below 80. Temperature scores were occasionally below 80. Other scores were always or almost always above 80. The Elwha River is on the 303d list for temperature.	(48.0654, -123.5777)
80	We have monitored West Twin since 2005. Annual sediment and nitrogen scores were almost always below 80. Temperature was frequently below 80 and oxygen and phosphorus scores were occasionally below 80. Bacteria	(48.1631, -123.9524)

Water Quality Index Scores (1994-2013) from The WA State D

08C070	Cedar R @ Logan St/Renton	Puget Sound
04A100	Skagit R @ Marblemount	Puget Sound
03A060	Skagit R nr Mount Vernon	Puget Sound

Water Quality Index Scores (1994-2013) from The WA State D

81	76	68	75
90	78	75	64
75	73	72	65

Water Quality Index Scores (1994-2013) from The WA State D

65	83	87	76
87	71	87	86
84	77	89	91

Water Quality Index Scores (1994-2013) from The WA State D

60	78	72	84
59	85	64	81
71	76	61	73

Water Quality Index Scores (1994-2013) from The WA State D

81	79	79	81
84	75	75	81
77	77	75	76

Water Quality Index Scores (1994-2013) from The WA State D

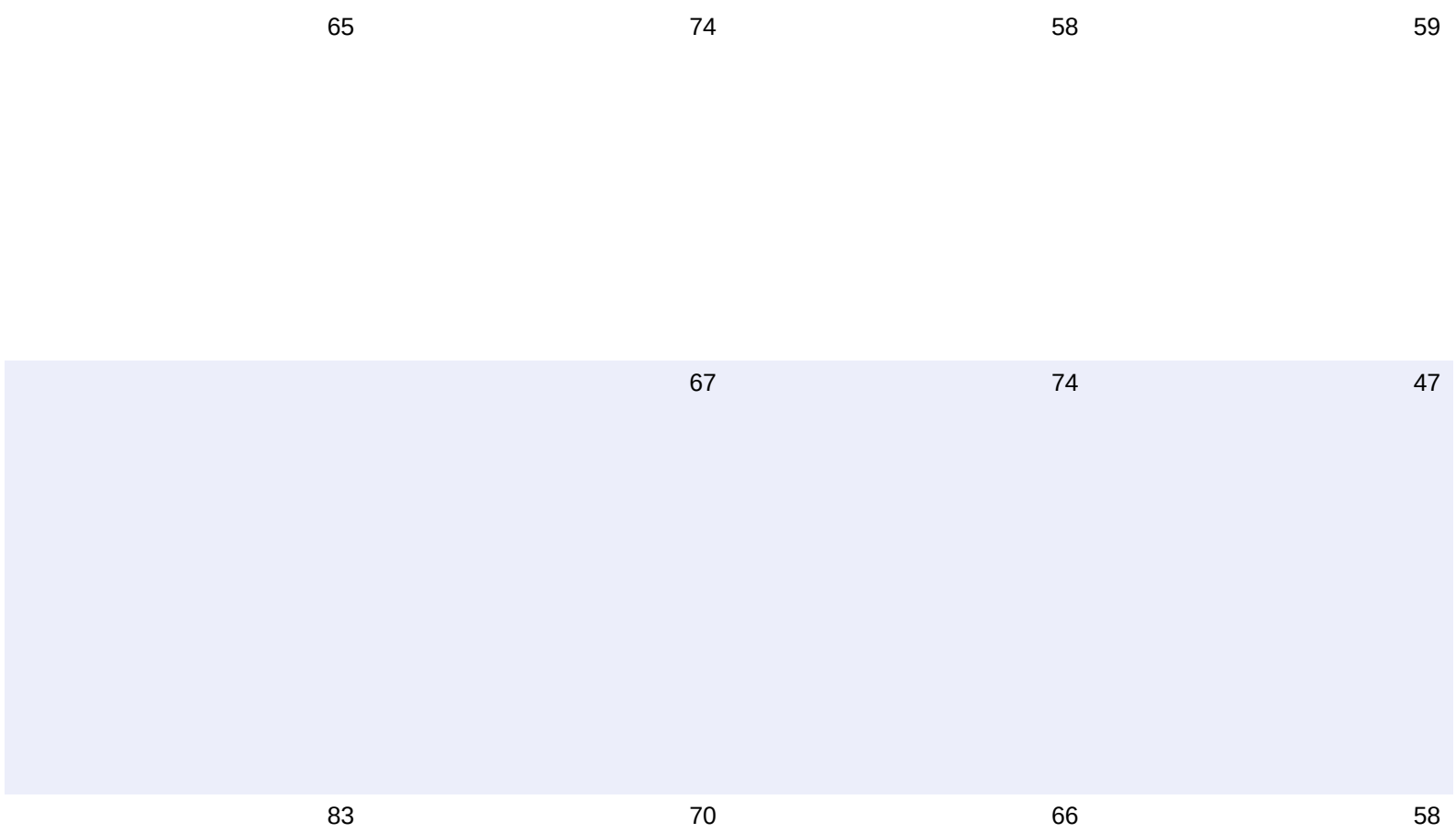
77	75	85	76
56	77	76	75
74	73	77	86

	and pH scores were always or almost always above 80. West Twin River is not currently on the 303d list.	
77	Annual WQI scores for bacteria, pH, sediment, and temperature were all frequently below 80. Annual oxygen scores were consistently above 80. The lower Cedar is on the 303d list for temperature, pH, and bacteria. A reach near the mouth is also listed for oxygen.	(47.4857, -122.209)
76	Annual sediment scores were frequently below 80 (the upper Skagit is affected by glacial runoff which can affect sediment scores). Nutrient scores were below 80 about half the time. Other scores were always or almost always above 80. The upper Skagit River is on the 303d list for exceeding the supplemental temperature criterion.	(48.5268, -121.429)
76	Annual sediment and phosphorus scores were frequently below 80. Temperature scores were occasionally below 80. Other scores except for pH where almost always above 80. The lower Skagit River is on the 303d list	(48.4451, -122.3352)

Water Quality Index Scores (1994-2013) from The WA State D

11A070	Nisqually R @ Nisqually	Puget Sound
13A060	Deschutes R @ E St Bridge	Puget Sound
05A070	Stillaguamish R nr Silvana	Puget Sound

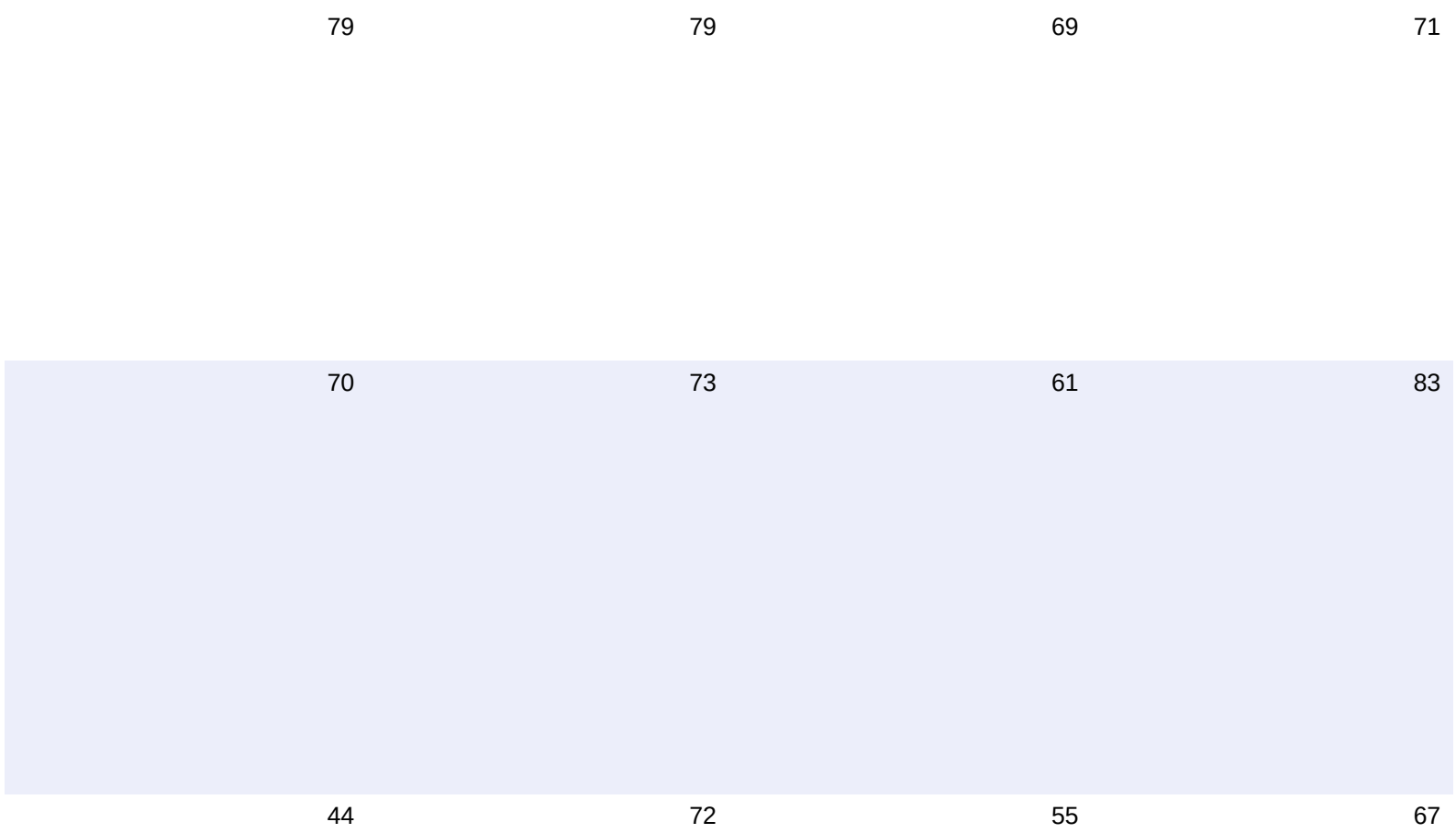
Water Quality Index Scores (1994-2013) from The WA State D



Water Quality Index Scores (1994-2013) from The WA State D

76	60	40	60
61	62	62	72
71	70	81	60

Water Quality Index Scores (1994-2013) from The WA State D



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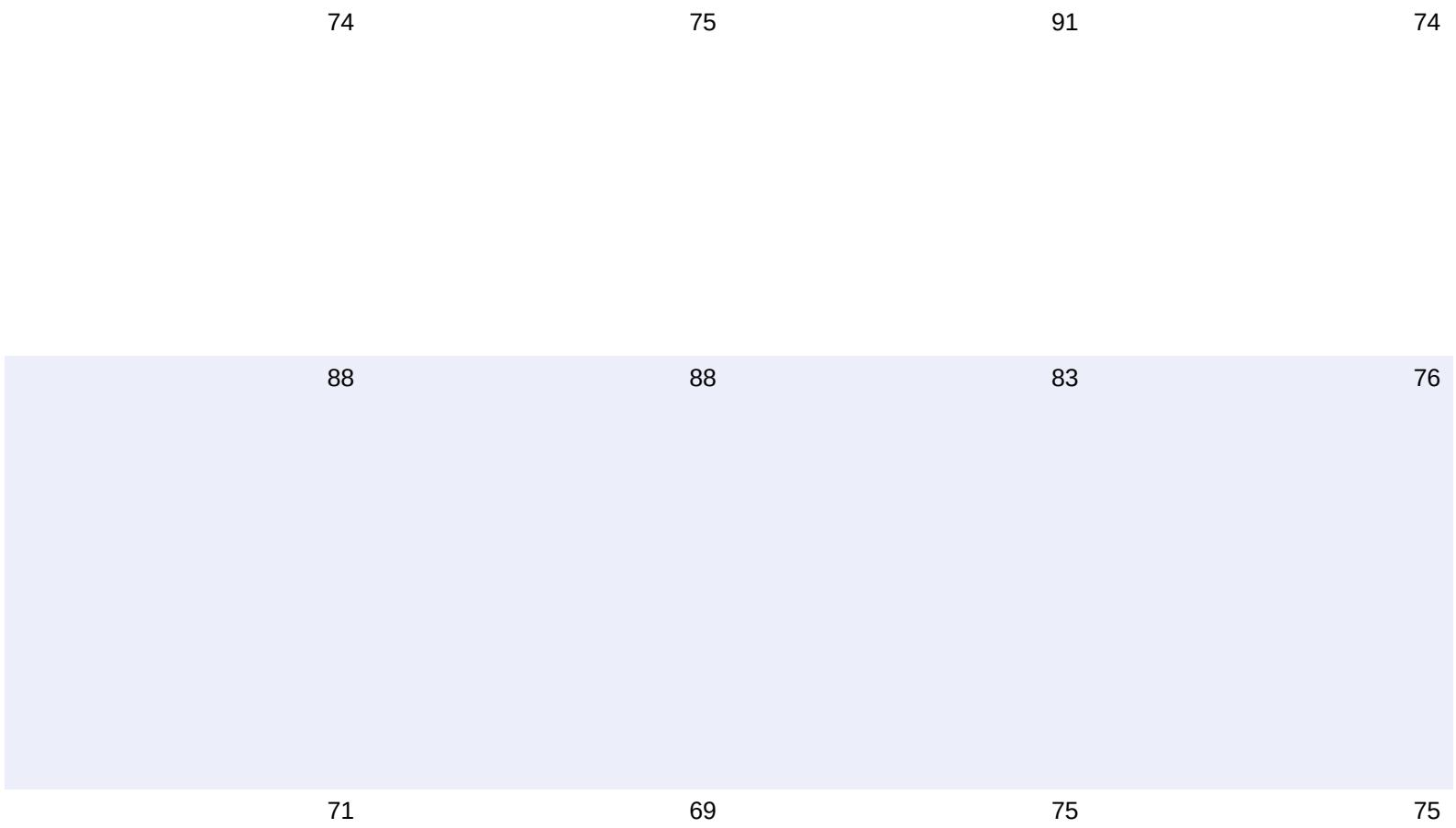
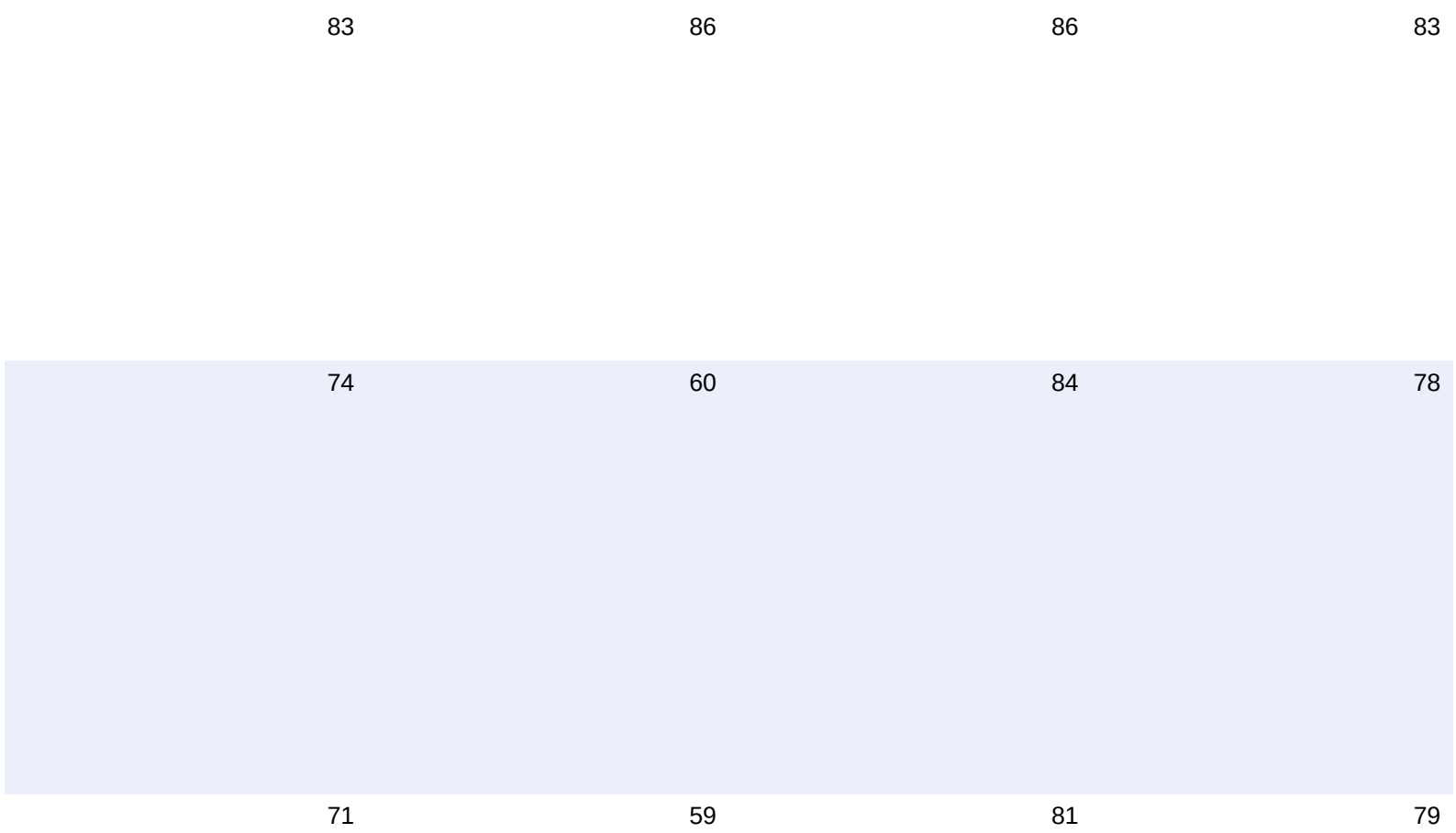


Water Quality Index Scores (1994-2013) from The WA State D

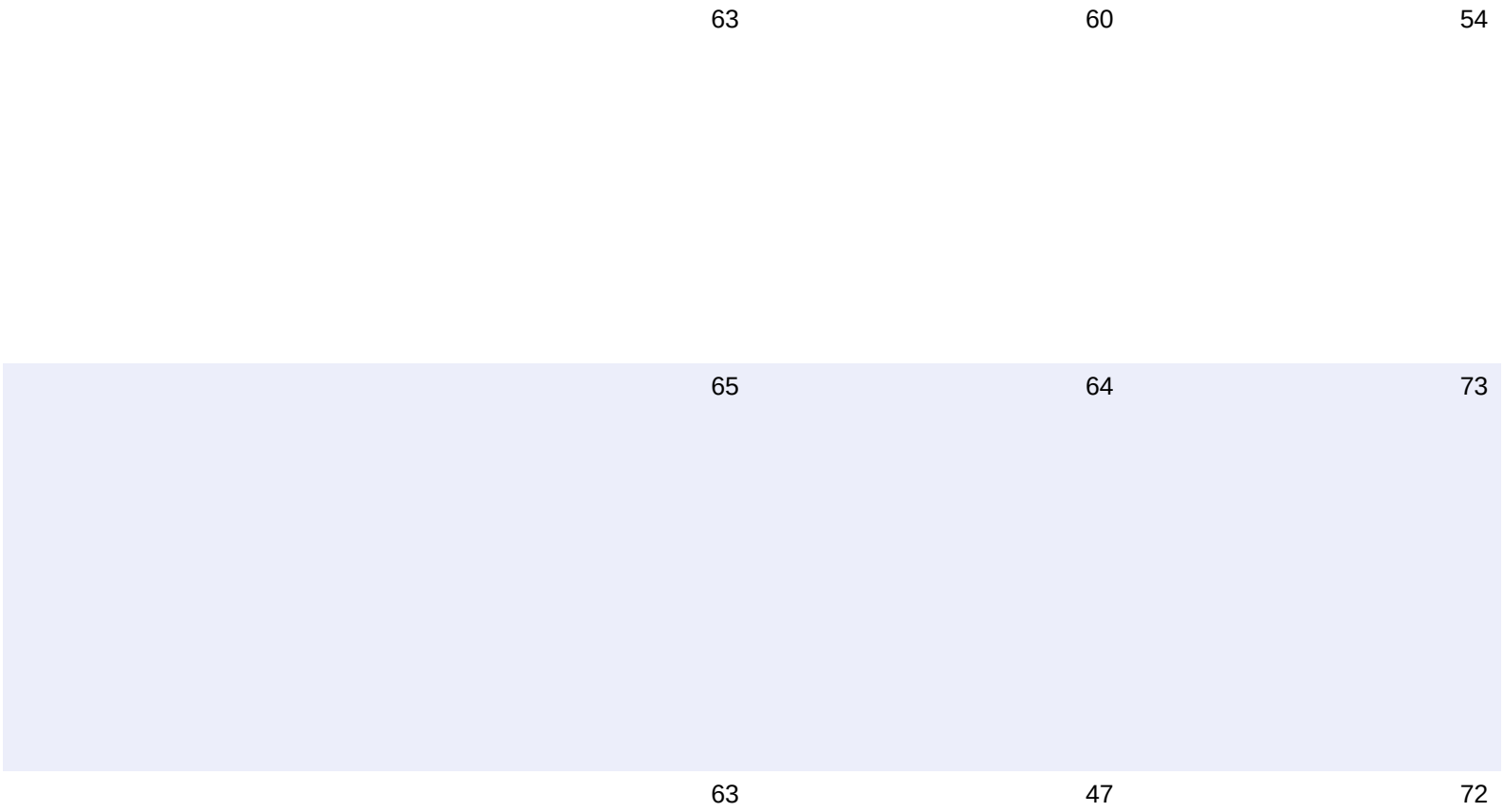


	for exceeding the lower pH criterion.	
72	Annual temperature, sediment, and phosphorus scores were frequently below 80. Annual nitrogen scores have improved in recent years. Other scores were always or almost always above 80. The Nisqually River receives glacial melt water which would affect sediment scores. The Nisqually River is not currently on the 303d list.	(47.062, -122.6964)
72	Annual nitrogen scores were consistently very low. Phosphorus scores were ususally below 80. Annual bacteria, temperature, and sediment scores were occasionally below 80. Annual Oxygen scores have improved in recent years. Other scores were always or almost always above 80. The Deschutes River is currently on the 303d list for temperature, bacteria, and oxygen.	(47.0118, -122.9032)
69	Annual temperature, sediment, and phosphorus scores were ususally below 80. Bacteria scores were occasionally below 80. Oxygen and pH scores were always or almost always above 80. The lower	(48.1969, -122.2101)

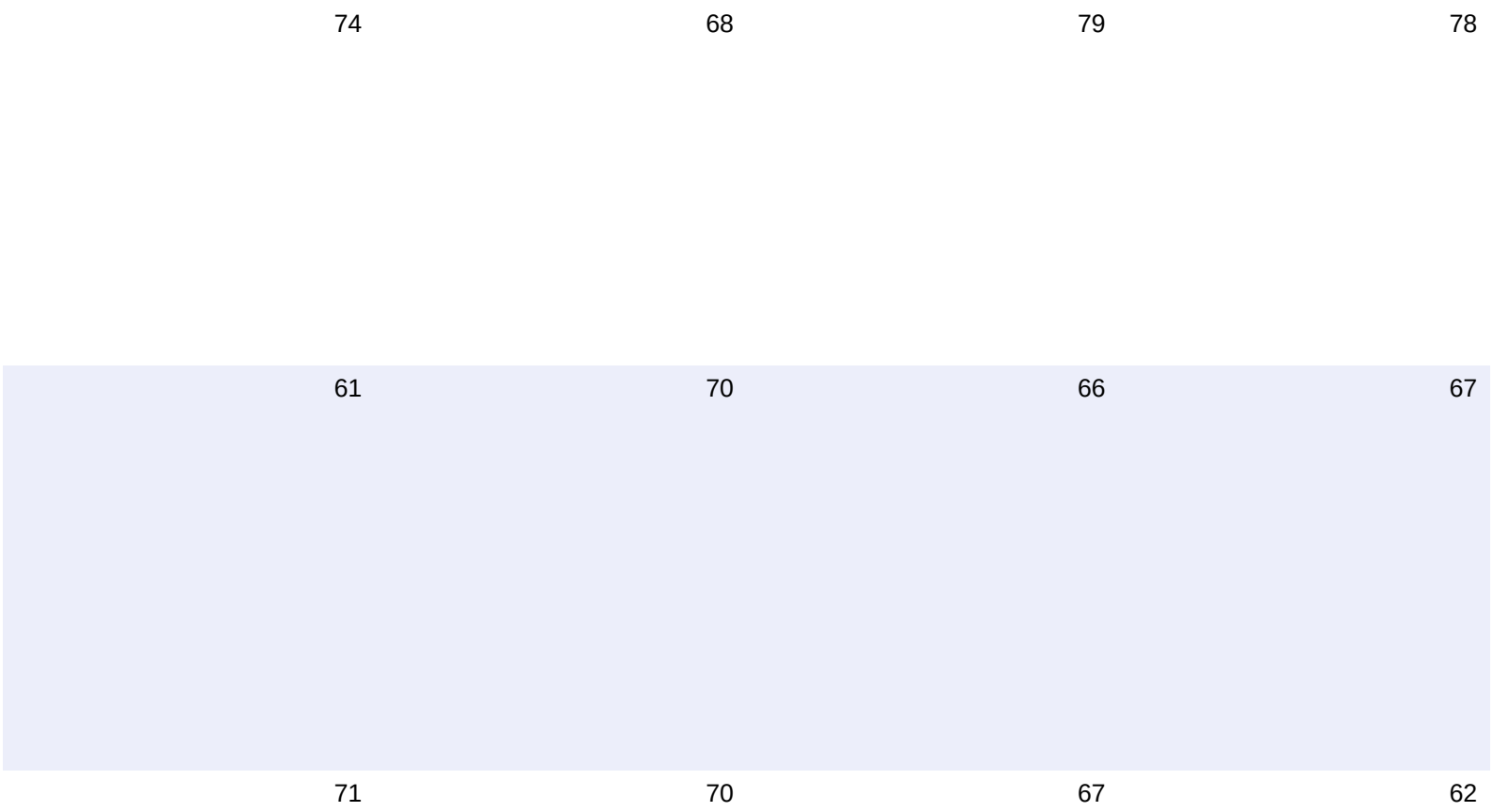
Water Quality Index Scores (1994-2013) from The WA State D

01A120	Nooksack R @ No Cedarville	Puget Sound
05A090	SF Stillaguamish R @ Arlington	Puget Sound
05A110	SF Stillaguamish R nr Granite Falls	Puget Sound

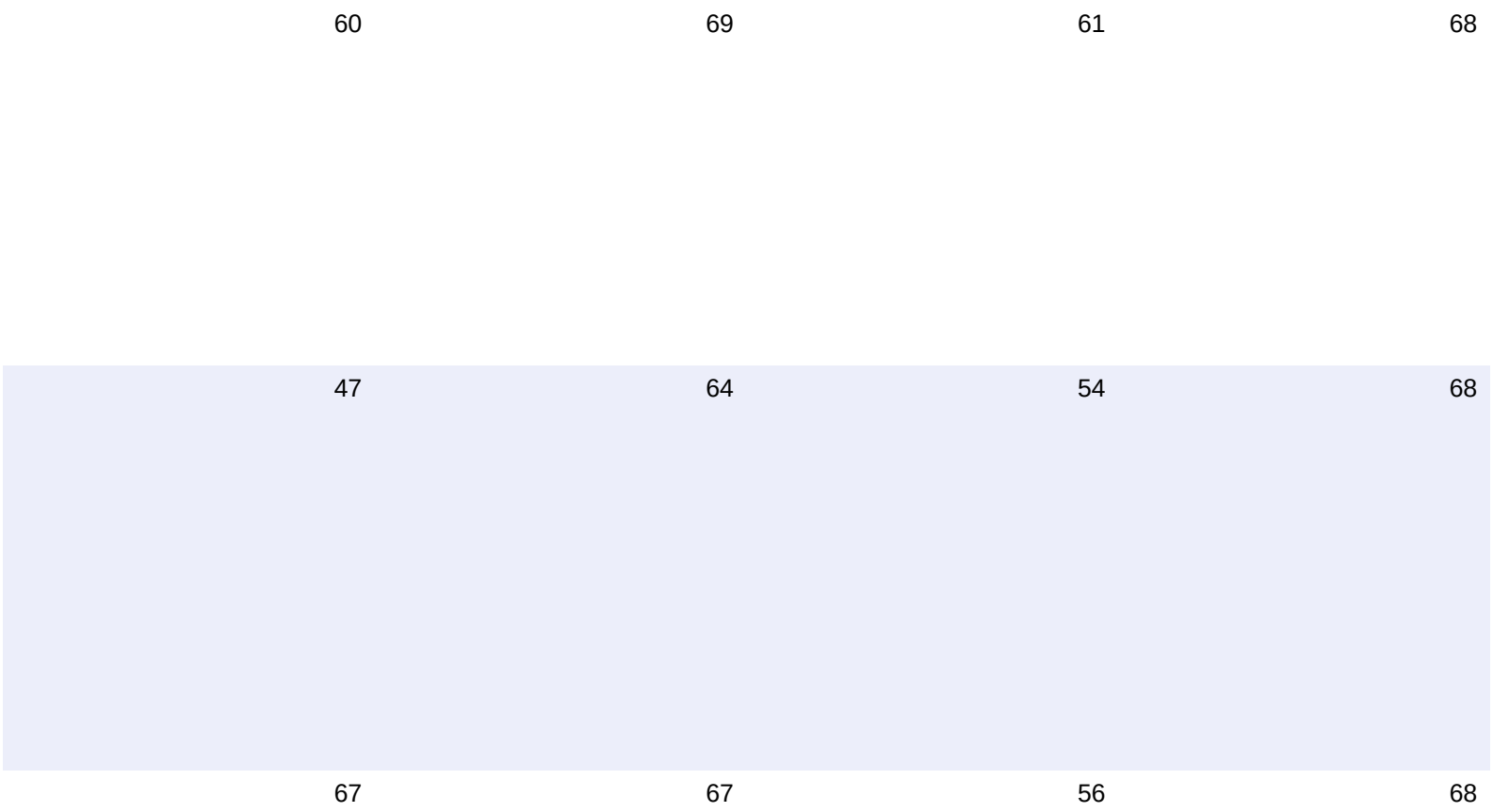
Water Quality Index Scores (1994-2013) from The WA State D



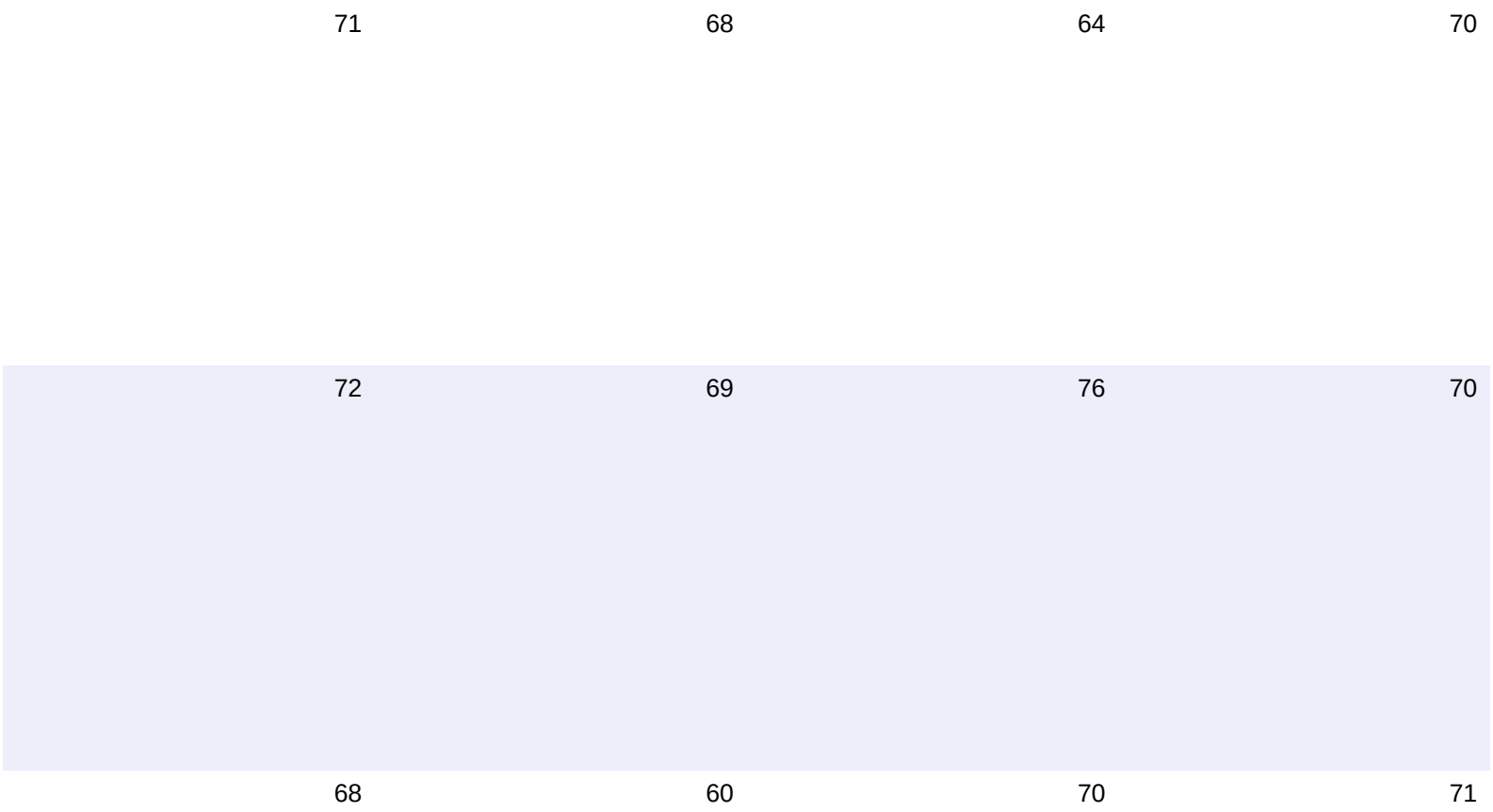
Water Quality Index Scores (1994-2013) from The WA State D



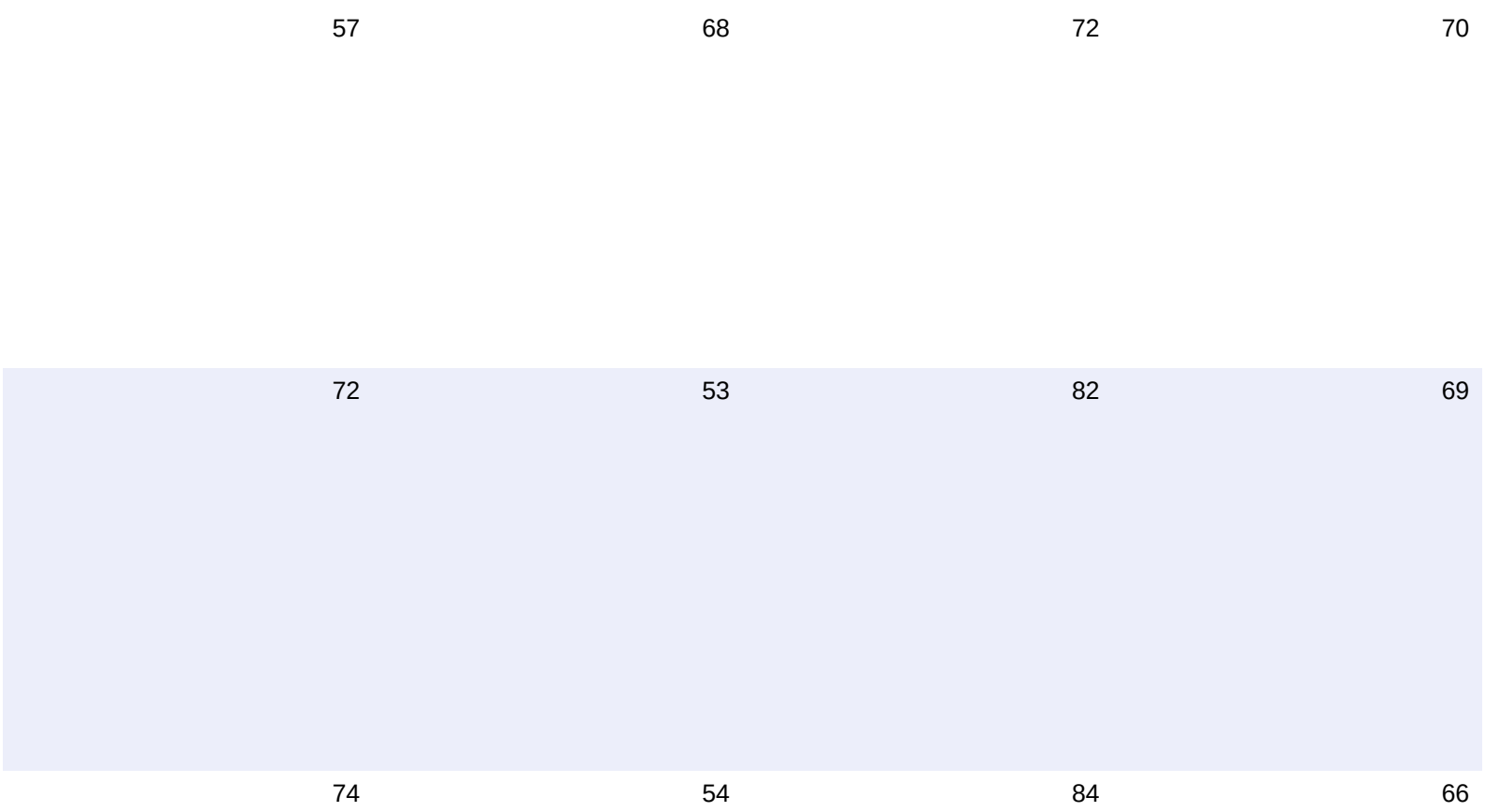
Water Quality Index Scores (1994-2013) from The WA State D



Water Quality Index Scores (1994-2013) from The WA State D



Water Quality Index Scores (1994-2013) from The WA State D



	always above 80. The lower Stillaguamish River (below this station) is currently on the 303d list for oxygen and the river has a management plan for temperature and bacteria.	
67	Annual sediment and phosphorus scores were quite low and always below 80. Glaciers in the watershed may affect sediment scores. Other scores were always or almost always above 80. This portion of the Nooksack River is listed for temperature and for exceeding the lower pH criterion.	(48.8416, -122.2936)
66	Annual temperature, sediment, and phosphorus scores were almost always below 80. Bacteria and oxygen scores were occasionally below 80. Nitrogen and pH scores were always or almost always above 80. The SF Stillaguamish River is currently on the 303d list for oxygen and it has a management plan for temperature, oxygen, and bacteria.	(48.2007, -122.119)
66	Annual sediment and phosphorus scores were always below 80. Temperature scores were often below	(48.1028, -121.9532)

Water Quality Index Scores (1994-2013) from The WA State D

09A190	Green R @ Kanaskat	Puget Sound
09A080	Green R @ Tukwila	Puget Sound
03B050	Samish R nr Burlington	Puget Sound

Water Quality Index Scores (1994-2013) from The WA State D

78	57	66	56
62	52	35	50
	66	59	50

Water Quality Index Scores (1994-2013) from The WA State D

66	52	75	62
63	70	82	73
58	66	86	75

Water Quality Index Scores (1994-2013) from The WA State D

61	55	77	73
66	67	75	49
32	49	34	71

Water Quality Index Scores (1994-2013) from The WA State D

85	58	59	58
72	68	60	69
67	74	59	80

Water Quality Index Scores (1994-2013) from The WA State D

63	47	69	69
63	68	75	70
63	52	78	86

	80 and bacteria and oxygen scores were occasionally below 80. Nitrogen and pH scores were always or almost always above 80. The upper portion of SF Stillaguamish River has a management plan for temperature, oxygen, and bacteria.	
64	Annual temperature, sediment, and nutrient scores were mostly below 80. Bacteria, pH, and oxygen scores were usually above 80. This portion of the Green River is listed for temperature and oxygen.	(47.3193, -121.8935)
64	Annual temperature, bacteria and nutrient scores were mostly or often below 80. Annual sediemnt scores were occasionally below 80. Oxygen and pH were more often above 80. Thd lower Green River is listed for temperature bacteria, and oxygen.	(47.4654, -122.2479)
63	Annual bacteria and nitrogen scores were alway below 80; nitrogen scores were especially low. Sediment scores were ususally below 80 and annual temperature scores were below 80 about half the time. Oxygen scores were occasionally below 80. The	(48.5458, -122.3382)

Water Quality Index Scores (1994-2013) from The WA State D

01A050	Nooksack R @ Brennan	Puget Sound
05B110	NF Stillaguamish R nr Darrington	Puget Sound
05B070	NF Stillaguamish R @ Cicero	Puget Sound

Water Quality Index Scores (1994-2013) from The WA State D

73	56	49	41
	46	53	47
	33	22	30

Water Quality Index Scores (1994-2013) from The WA State D

	62	42	65	68
	57	52	64	67
	31	25	35	38

Water Quality Index Scores (1994-2013) from The WA State D

	58	57	52	54
	36	60	44	42
	19	37	29	38

Water Quality Index Scores (1994-2013) from The WA State D

61	51	60	69
82	73	78	70
52	40	43	43

Water Quality Index Scores (1994-2013) from The WA State D

56	55	62	61
49	43	70	79
31	30	45	40

	Samish River is currently on the 303d list for temperature, bacteria, oxygen, and turbidity. The Samish is also listed for exceeding the low pH criterion.	
58	Annual sediment and nutrient scores were quite low and always below 80. Bacteria, temperature, and oxygen scores were below 80 about half the time. Annual scores for pH have always been above 80. The lower Nooksack River is listed for temperature and oxygen and has a management plan for bacteria.	(48.819, -122.58)
59	Annual temperature, sediment, and nutrient scores were always or almost always below 80. Bacteria, oxygen, and pH scores were always or almost always above 80. The NF Stillaguamsh River has a management plan for temperature and bacteria.	(48.28, -121.7024)
35	Annual temperature, sediment, and nutrient scores were always or almost always below 80. Sediment and nutrient scores were particularly low. Bacteria, oxygen, and pH scores were occasionally below 80. The lower NF Stillaguamsh River is listed for turbidity	(48.2673, -122.0131)

Water Quality Index Scores (1994-2013) from The WA State D

19E060	Deep Cr. nr mouth	Puget Sound
35B060	Tucannon R @ Powers	Snake River
32A070	Walla Walla R nr Touchet	Snake River
33A050	Snake R nr Pasco	Snake River

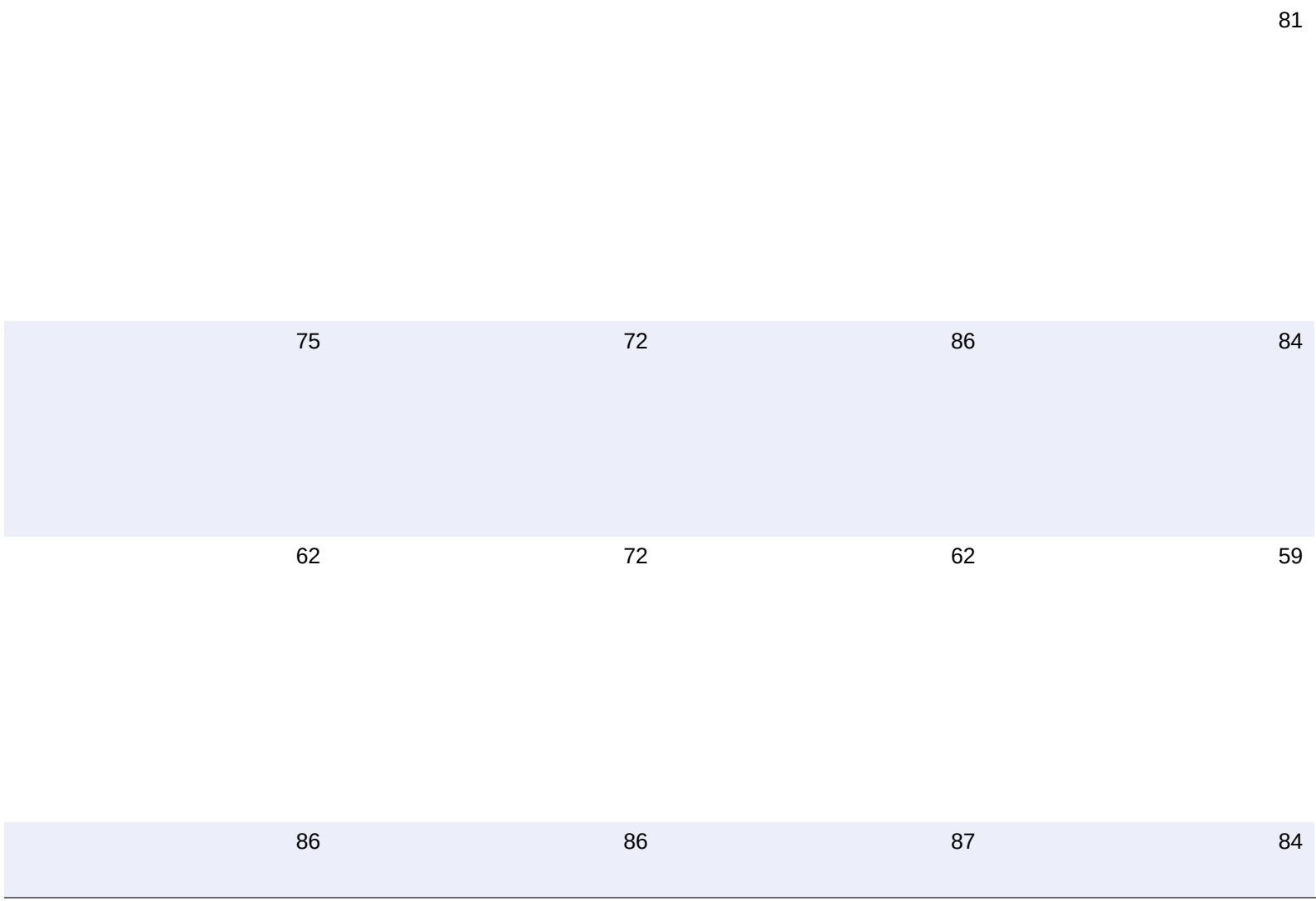
Water Quality Index Scores (1994-2013) from The WA State D

	44	59	35
47	53	32	34
77	87	63	71

Water Quality Index Scores (1994-2013) from The WA State D

40	61	72	77
33	43	65	42
82	84	83	86

Water Quality Index Scores (1994-2013) from The WA State D



Water Quality Index Scores (1994-2013) from The WA State D

	77	85	86	87
	86	74	65	55
	54	55	64	61
	86	81	91	86

Water Quality Index Scores (1994-2013) from The WA State D

75	63	88	89
66	67	63	68
62	59	53	62
89	85	83	79

	and the river has a management plan for temperature and bacteria.	
81	We have monitored Deep Creek since 2005. Annual sediment and nitrogen scores were almost always below 80. Temperature, oxygen, and phosphorus scores were occasionally below 80. Bacteria and pH scores were always or almost always above 80. Deep Creek is on the 303d list for temperature, oxygen, and fine sediment.	(48.1726, -124.0251)
66	Annual scores for all parameters were below 80 more often than not except for oxygen and nitrogen, which only occasionally dropped below 80. The Tucannon River is listed for temperature, pH, and turbidity.	(46.5376, -118.1555)
54	Annual scores for sediment, temperature, and phosphorus were frequently below 80. Bacteria was below 80 about half the time. Nitrogen Scores only occasionally dropped below 80. The Walla Walla River has a management plan for temperature, pH, oxygen, and bacteria.	(46.0376, -118.7664)
83	Annual temperature scores were almost always below 80. Upstream	(46.2165, -119.0242)

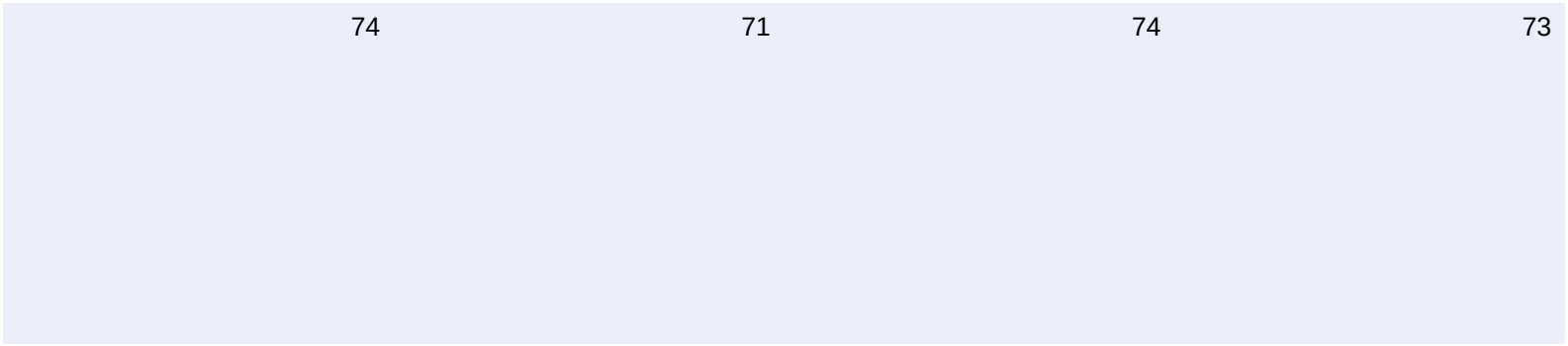
Water Quality Index Scores (1994-2013) from The WA State D

35A150	Snake R @ Interstate Br	Snake River
45A070	Wenatchee R @ Wenatchee	Upper Columbia
49B070	Similkameen R @ Oroville	Upper Columbia

Water Quality Index Scores (1994-2013) from The WA State D

76	73	80	73
77	80	83	79
80	77	75	71

Water Quality Index Scores (1994-2013) from The WA State D



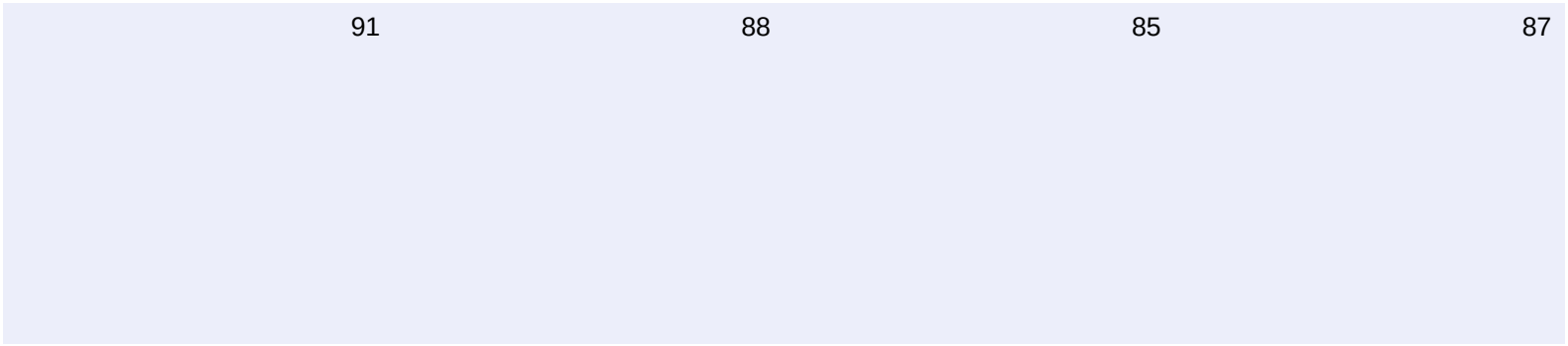
Water Quality Index Scores (1994-2013) from The WA State D

79	76	79	80

93	75	78	82
74	79	75	76

Water Quality Index Scores (1994-2013) from The WA State D

73	76	80	72



91	88	85	87
75	64	80	66

Water Quality Index Scores (1994-2013) from The WA State D

73	71	76	74

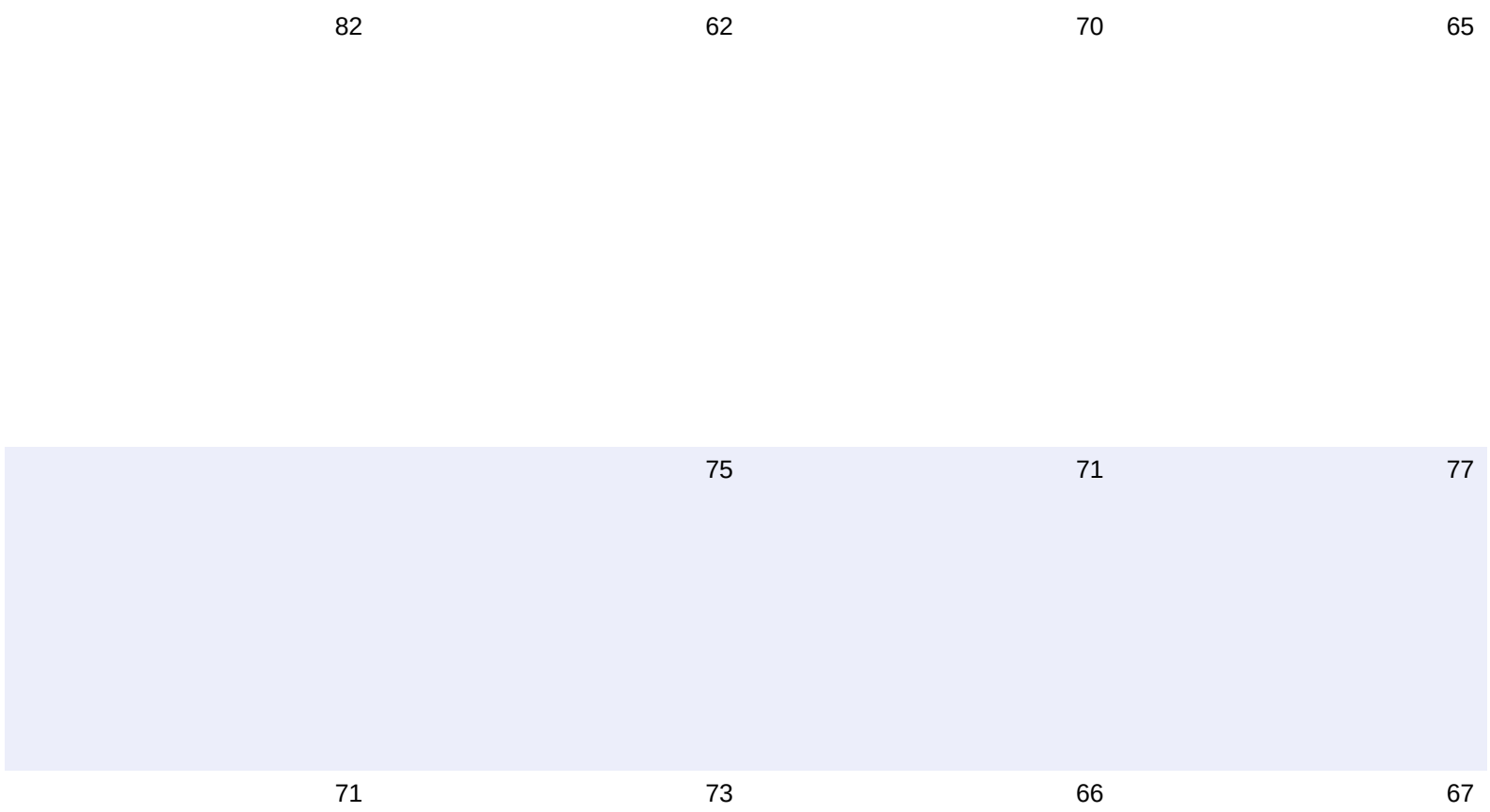
90	87	81	81
83	78	80	75

	impoundments likely affect temperature. Phosphorus and turbidity scores were usually below 80. Annual bacteria scores were always above 80. Other scores were usually above 80. Different portions of the lower Snake River are listed for temperature, oxygen, and phosphorus.	
76	Annual temperature, sediment, phosphorus, and pH scores were usually below 80. Oxygen scores were occasionally below 80. Annual bacteria and nitrogen scores were always or almost always above 80. Different portions of the lower Snake River are listed for temperature, oxygen, and pH.	(46.4207, -117.0357)
81	Annual temperature and pH scores were below 80 more than half the time. Sediment scores were occasionally below 80. Other scores were always or almost always above 80. The Wenatchee River has a management plan for temperature and is listed for pH.	(47.4588, -120.3365)
77	Annual temperature and sediment scores were below 80 most of the time. Phosphorus and pH scores were	(48.9346, -119.442)

Water Quality Index Scores (1994-2013) from The WA State D

45A110	Wenatchee R nr Leavenworth	Upper Columbia
49A190	Okanogan R @ Oroville	Upper Columbia
49A070	Okanogan R @ Malott	Upper Columbia

Water Quality Index Scores (1994-2013) from The WA State D



Water Quality Index Scores (1994-2013) from The WA State D

75	65	74	67
60	82	70	61
71	75	80	68

Water Quality Index Scores (1994-2013) from The WA State D

75	80	73	84
78	72	68	78
76	71	69	77

Water Quality Index Scores (1994-2013) from The WA State D

73	81	75	77
65	63	73	59
69	58	71	59

Water Quality Index Scores (1994-2013) from The WA State D

78	71	70	69
66	79	70	64
70	75	71	68

	occasionally below 80. Bacteria, oxygen, and nitrogen scores were always or almost always above 80. The Similkameen River is listed for temperature.	
73	Annual sediment scores were below 80 most of the time. Temperature, oxygen and pH scores were below 80 about half the time--these scores may be affected by Lake Wenatchee. Nutrient scores were occasionally below 80. Bacteria scores were always or almost always above 80. The upper Wenatchee River has a management plan for temperature and is listed for pH and oxygen.	(47.6762, -120.734)
70	Annual temperature, oxygen, and pH scores were almost always below 80. Other scores were always or almost always above 80. The Okanogan River is listed for temperature, oxygen, and pH. This station is very near the lake outlet and temperature, especially, may be naturally high.	(48.9391, -119.4267)
70	Annual temperature and sediment scores were almost always below 80. Oxygen, pH, and phosphorus scores	(48.2804, -119.7045)

Water Quality Index Scores (1994-2013) from The WA State D

48A140	Methow R @ Twisp	Upper Columbia
46A070	Entiat R nr Entiat	Upper Columbia

Water Quality Index Scores (1994-2013) from The WA State D

	88	94	89
90	85	87	79

Water Quality Index Scores (1994-2013) from The WA State D

94	83	95	90
78	77	91	83

Water Quality Index Scores (1994-2013) from The WA State D

	96	95	86	95
	94	80	81	89

Water Quality Index Scores (1994-2013) from The WA State D

	86	83	89	89
	91	85	83	94

Water Quality Index Scores (1994-2013) from The WA State D

	94	85	91	90
	93	85	83	92

	were below 80 about half the time. Bacteria and nitrogen scores were always or almost always above 80. The Okanogan River is listed for temperature, oxygen, and pH.	
90	Annual pH and sediment scores were occasionally below 80. Other scores were always or almost always above 80. The upper Methow is not on the 303d list.	(48.3593, -120.1143)
86	Annual temperature, pH, and sediment scores were occasionally below 80. Other scores were always or almost always above 80. The Entiat has a management plan for temperature and is listed for pH.	(47.6632, -120.2506)